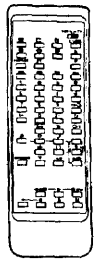
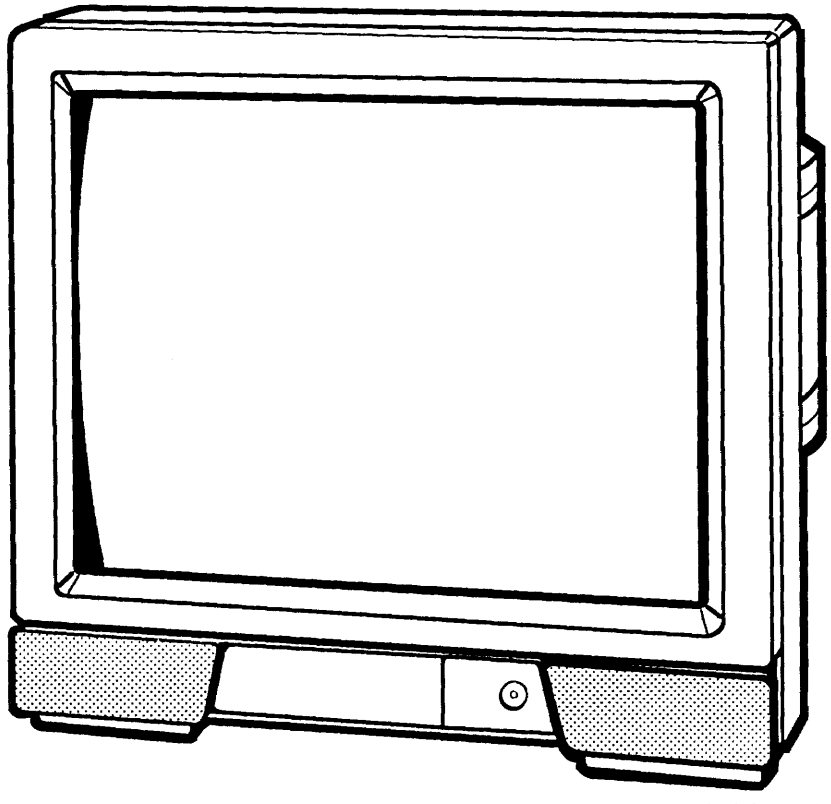
SANYO

SERVICE MANUAL Colour Television

Model No. CBP3310N
(U.K.)
Service Ref. No. CBP3310N – 00





Specifications

Power source.....AC 220 - 240V, 50Hz
Television System.....I
Colour Reception System..PAL
Channel Coverage..... UHF:21-69
Video IF.....39.5MHz
Sound IF.....33.5MHz
Aerial Input Impedance.....75 Ω
Picture Tube.....83cm Diagonal, 110 degree deflection
Speakers.....Mains speaker (8 x 16cm) x 2
Surround speaker (ϕ 10cm) x 2
Sound Output.....Mains speaker: 7.5W x 2
(peak music power output) Surround speaker: 2.5W x 2

Ext. Terminals
- o Video Input: Phono jack x 2 (1.0vp-p,75 Ω)
  S-terminal x 1 (Din 4-pin,separate Y/C signal Input)
- o Audio Input: Phono jack(R/L) x 2 (436 mVrms, more than 40 K Ω)
- o Audio Monitor Output: Phono jack (R/L) x 1(436mVrms,less than 600 Ω)
- o RGB Terminal: CENELEC standard 21-pin terminal
- o External Speaker Terminals: 8 Ω , output max. 5 W

Dimensions.....769(W)X699(H)X542(D)mm
Weight.....approx. 58Kg

Specifications subject to change without notice.

Product code : 1 113 097 03

Original Version

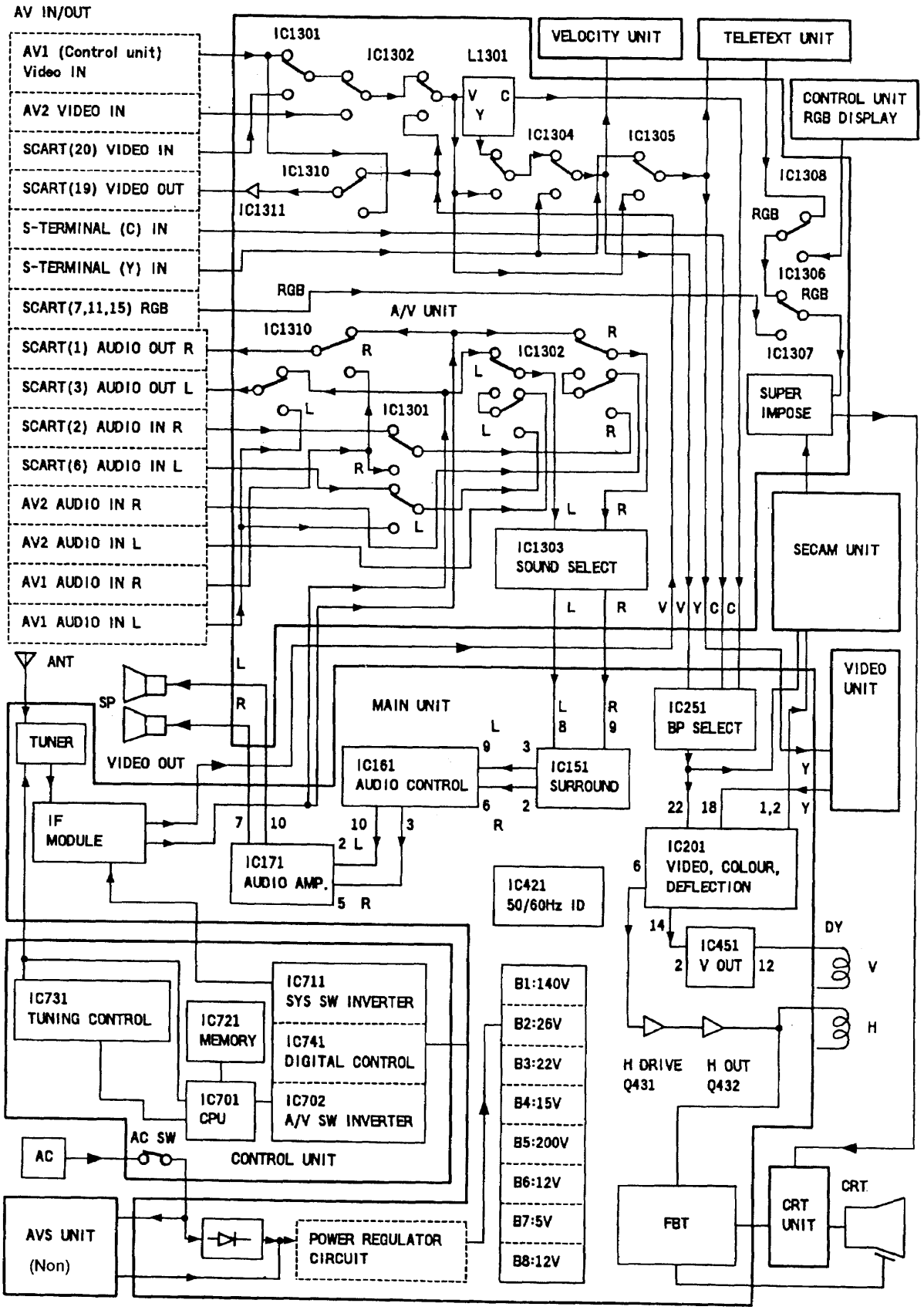
Chassis Series : A4-A33

Give complete "SERVICE REF.No." for parts order or servicing. It is shown on the rating plate at the cabinet back of the unit.

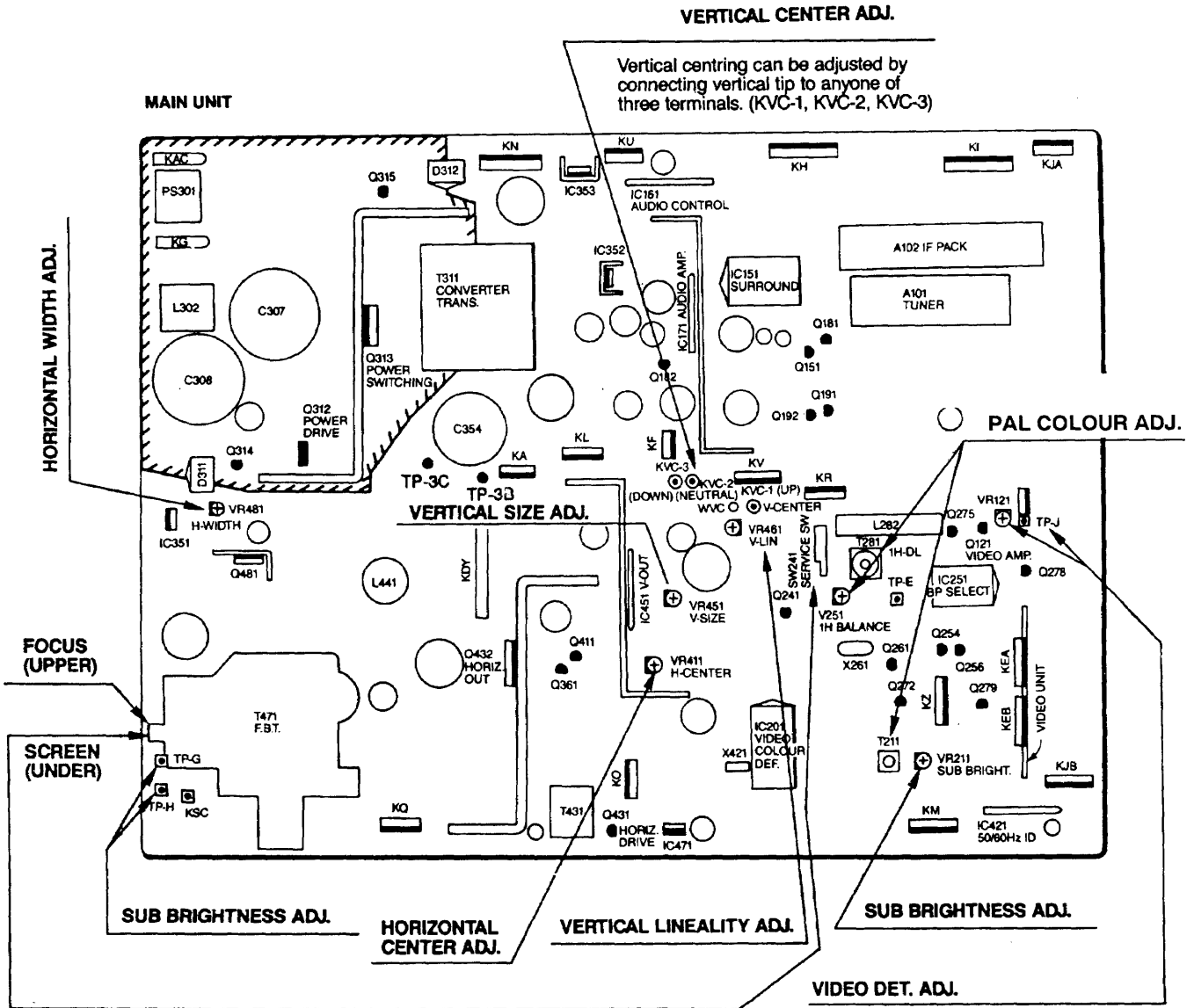
This T.V. receiver will not work properly in foreign countries where the television trans-mission system and power source differ from the design specifications. Refer to the specifications for the design specifications.

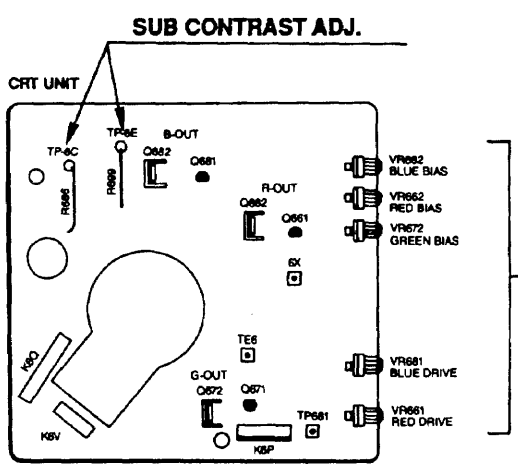
Block diagram

Note : This model is not equipped with the AVS unit and SECAM unit.



INSTALLATION AND SERVICE ADJUSTMENT





VIDEO DET. ADJ.

1. Tune receiver to colour bar pattern. (See Fig. 1)
   Connect the oscillator to TP-J.
2. Adjust VR121 for 1.0Vp-p as shown in Fig. 2.

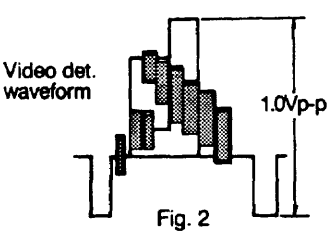


Fig. 2

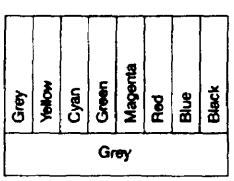


Fig. 1

A4 – A PCB LOCATION

SAFETY PRECAUTIONS : An isolation transformer should be connected in the power line between the receiver and the AC line before any service is performed on the receiver.

X- RADIATION PRECAUTION The primary source of X- RADIATION in television receiver is the picture tube. The picture tube is specially constructed to limit X- RADIATION emission. For continued X- RADIATION protection, the replacement tube must be the same type as the original including suffix letter. Excessive high voltage may produce potentially hazardous X- RADIATION. To avoid such hazards, the high voltage must be maintain within specified limit. Refere to this service manual for specific high voltage limits. If high voltage exceeds specified limits, take necessary corrective action. Carefully follow the instructions for + B1 volt power supply adjustment, and high voltage check to maintain the high voltage within the specified limits.

SUB BRIGHTNESS ADJUSTMENT

1. Connect a DC meter between "TP- H" (positive lead) and "TP- G" (negative lead) on main unit.
2. Receive the monochrom circular pattern.
3. Set the brightness to maximum and the contrast to minimum.
4. Adjust the sub brightness control (VR211) for 0.4 volt.

NOTE: If the picture tube replaced, check the sub- brightness adjustment.

HORIZONTAL CENTER ADJUSTMENT

1. Tune the receiver to the monochrome circular pattern.
2. Set the brightness and the contrast to maximum.
3. Adjust video phase(VR411) for optimum horizontal center position.

TUNING DISPLAY CENTER ADJUSTMENT

1. Tune the receiver to the monochrome circular pattern.
2. Press PRESET switch (SW713 of the Main unit), and the tuning bar is displayed on the screen.
3. Adjust the tuning bar center by using VR 791 on the control unit.
4. Press PRESET switch.

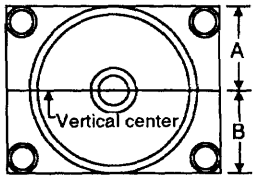
GREY SCALE AND TRACKING ADJUSTMENT

1. Tune the receiver to the monochrome circular pattern.
2. Set the brightness and the colour to normal , the contrast to maximum.
3. Set the service switch (SW241on the Main unit)and SW13B on the A/V unit) at the service side.
4. Set the drive volume (VR681 and VR661) at their mechanical center.
5. Set the bias volume (VR662, VR672 and VR682) to minimum (fully counter clockwise).
6. Turn the screen volume to obtain just visible one coloured line.
7. Adjust each bias volume (VR682- blue, VR672- green and VR662-red) alternately until a dim white line produced.
8. Set the service switch (SW241 and SW13B) at the normal side.
9. Adjust the drive volume (VR681 - blue and VR661 - red) alternately to produce normal black and white picture.
10. Check for proper grey scale tracking at all brightness levels.

NOTE : If grey scale adjustment is made after picture tube replacement, check high voltage and sub- brightness adjustment.

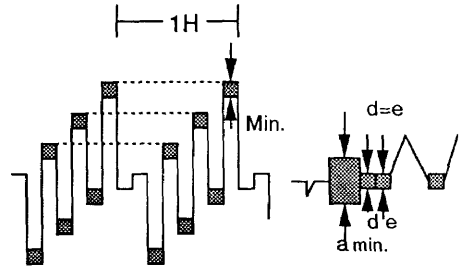
VERTICAL LINEALITY ADJUSTMENT

1. Tune the receiver to the monochrome circular pattern
2. Set the brightness and contrast to maximum.
3. Adjust VR 461 to be A=B ± 3mm.



COLOUR ADJUSTMENT (PAL)

Receive the PAL colour bar pattern(see Fig.1)
Set controls: brightness and colour :maximum,

	ADJUST	REMARKS
	Connect the oscilloscope to TP13B of the A/V unit.	
1	VR251,T281	Adjust VR251,T281 to obtain each 1H waveform(amplitude) for same as shown below. 
2	T211	Adjust T211 to obtain proper waveform as shown above.

FOCUS ADJUSTMENT

Adjust focus control on the left side of the chassis for well scaning lines.

VERTICAL SIZE ADJUSTMENT

1. Tune the receiver to the monochrome circular pattern.
2. Adjust vertical size (VR451) control for full scan.

HORIZONTAL WIDTH ADJUSTMENT

1. Tune the receiver to the monochrome circure pattern.
2. Set the brightness and the contrast to maximum.
3. If the picture is too wide or narrow, adjust the horizontal width by using VR 481.

Note : Horiz. width adjustment effects the high voltage and the sub- brightness. Therefore, recheck the sub- brightness and the high voltage.

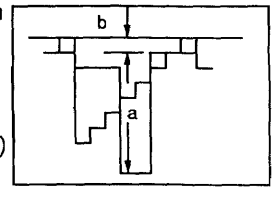
HIGH VOLTAGE CHECK

1. Tune the receiver to the monochrom circular pattern.
2. Set the brightness and the contrast to minimum..
3. Connect the high voltage probe (+) to the anode lead of the picture tube and the ground(-).
4. The high voltage must be less than 35.0KV.

Note: If the picture tube is replaced, check the high voltage.

SUB CONTRAST ADJUSTMENT

1. Connect the oscilloscope to TP-6C(+),and TP-6E(-) of the CRT unit.
2. Receive the PAL Colour bar pattern.(see Fig 1.)
3. Set the colour to minimum. Set the contrast to center (on screen bar :16 pos.)
4. Adjust the brightness or sub- brightness volume (VR211) to be "b=30 ± 5V."
5. Adjust VR1202(sub contrast volume) on the video unit to be "a=60 ± 2V."



Tuner assembly adjustment

The following components of Tuner Assembly (610 232 5645) can be ordered separately:

Tuner Ass'y (610 232 5645)		
Ref. No.	**Part No.**	**Description**
A101A	**610 232 5720**	**UHF Varactor Tuner**
A101B	**610 232 5737**	**IF Pack**

◆ When you order these components together as the Tuner Assembly, they do not need to be adjusted.

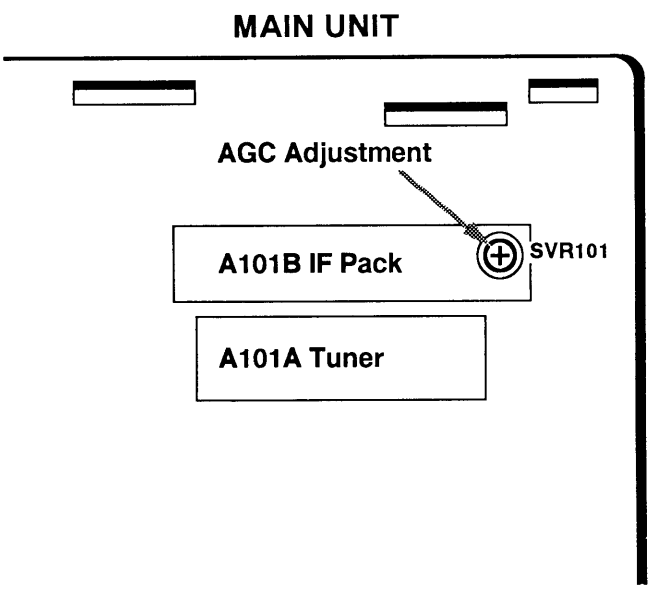
◆ Since each components is pre-adjusted at the time of shipment, it does not usually require further adjustment, even when purchased separately. However, if there is any such need, you can follow the instructions below to perform the adjustment.

AGC Adjustment

Note: Do not attempt this adjustment with the weak signal.

(1) Tune the receiver to the most clearest (or strongest) VHF station in your area.
Set the brightness and the contrast to maximum.
Set the colour to minimum.

(2) Turn the AGC control (SVR101) of the IF Pack in direction which causes the snow to appears, then in opposite direction until the snow just disappears.



PURITY AND CONVERGENCE ADJUSTMENT

CAUTION ; Convergence and purity have been factory aligned. Do not attempt to tamper with these alignments. However, the effects of adjacent receiver components, or replacement of picture tube or deflection yoke may require the need to readjust purity and convergence. If adjustment is required, the adjustments should be made in the following sequence.

PURITY ADJUSTMENTS

1. Use a colour (Red, Green and Blue) pattern signal.Receiver should be operated for at least ten minutes.
2. Place the picture tube face east or west and demagnetize the picture tube and receiver using an external degaussing coil.
3. Turn off red and blue rasters and provide only green raster on CRT screen.
4. Loosen the screw holding the deflection yoke and remove the three D.Y. wedges, and slide the deflection yoke fully frontward.
5 Rotate the two purity magnet tabs (widen or narrow the mutual angle made by the two tabs) to center a vertical green stripe. (If the vertical green stripe doesn't be obtained, slide the deflection yoke backward)

NOTE: Do not move the vertical center position by adjusting purity magnet.

6. Slowly slide the deflection yoke backward (or frontward) until a uniform green raster is obtained.

Note:

If some part of screen is contaminated with other colors (in most cases it will appear at corner of screen), put the purity correction magnet chip on back of that corner near the deflection yoke.

See Figure - A to position the purity correction magnet chip. Slide and rotate the purity correction magnet chip until pure green screen is obtained.

Use necessary chips until uniform green is obtained overall the screen. Use the tape (or adhesive) to fix the magnet on the picture tube.

7 Check the purity of the red and blue rasters for uniformity.(Turn up red raster and turn off green and blue rasters.Turn up blue raster and turn off green and red rasters).Readjust the deflection yoke position if necessary until all rasters are pure.

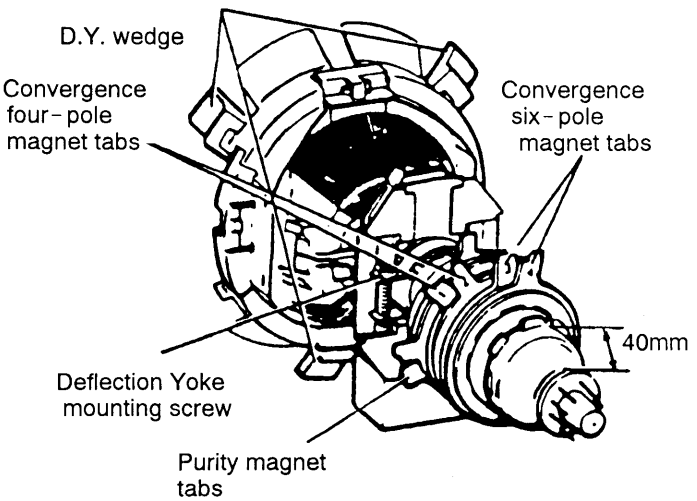
If part of the screen at each direction (east, west, north or south) is colored, demagnetize the receiver and the picture tube and adjust the deflection yoke position slightly front - ward or backward.

8. Tighten the mounting screw of the deflection yoke and mount D.Y.wedges.

CONVERGENCE ADJUSTMENTS

Before any convergence adjustments are made, purity must be adjusted properly. Connect cross - hatch generator to aerial socket. Loosen locking ring provided on purity and convergence magnet.

Note: When adjust the convergence magnets, do not move purity magnets.



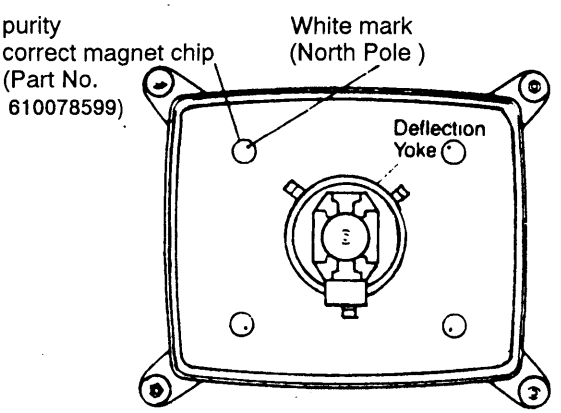
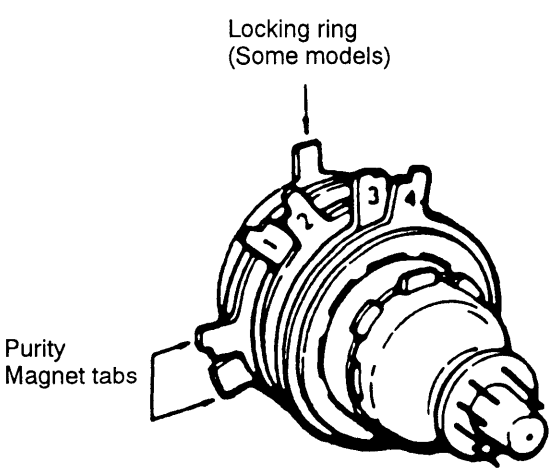


Fig.A

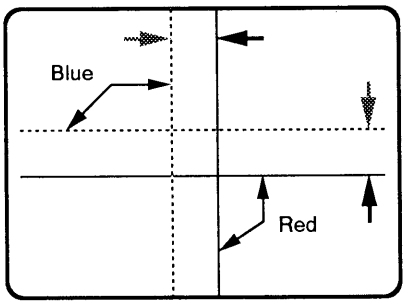


[Purity and convergence magnets]

CENTER CONVERGENCE

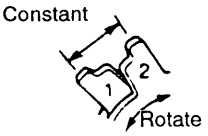
1. Turn off green raster and provide blue and red raster on CRT.
2. To superimpose the red/blue vertical lines,spread (o narrow) the angle of magnet tab 1 and tab 2. See Fig-1.
3. To superimpose the red/blue horizontal lines, rotate the magnet tabs 1 and 2 together (keeping the angle of magnet tabs 1 and 2). See Fig-1.
4. Turn up green raster.
5. To superimpose the green and magenta (blue/red) vertical lines, spread (or narrow) the angle of magnet tab 3 and tab 4. See Fig.2.
6. To superimpose the green and magenta (blue/red) horizontal lines, rotate the magnet tabs 3 and 4 together (keeping the angle of magnet tabs 3 and 4). See Fig-2.

Now forming white cross-hatch pattern at center of screen. Fasten locking ring.



Spread (or narrow) tabs angle to superimpose blue and red vertical line.

Rotate tabs together to superimpose red and blue horizontal line.



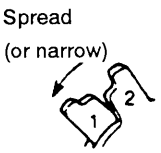
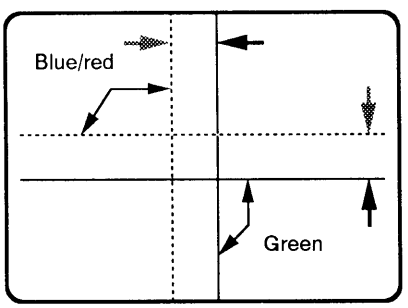


Fig.1 Blue and red line movement



Spread (or narrow) tabs angle to superimpose red/blue and green vertical line.

Rotate tabs together to superimpose red / blue and green horizontal line.

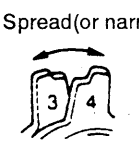


Fig.2. Blue/red and green line movement.

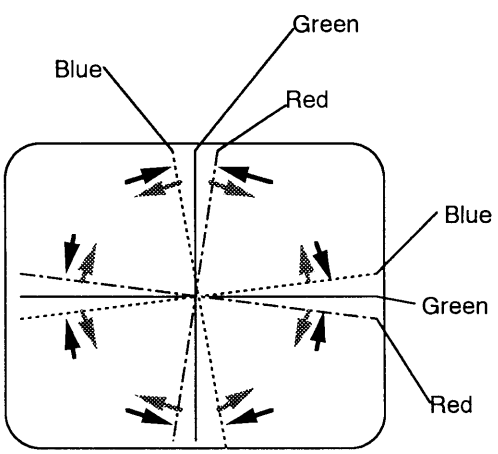
OUTER AREA CONVERGENCE

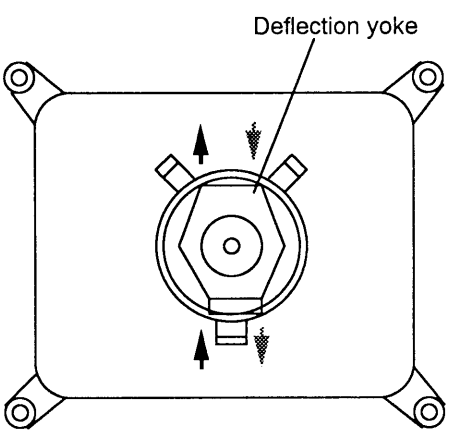
If the misconvergence on the outer area exists, adjust as follow.

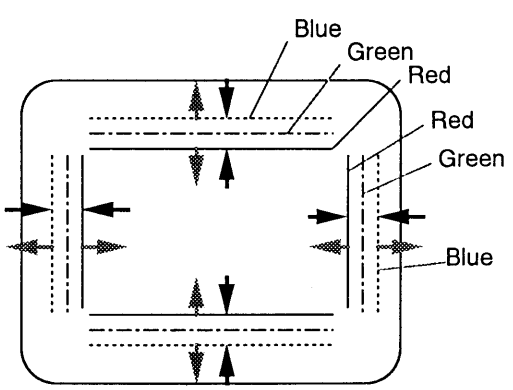
Swing the deflection yoke the ◄ direction, red/blue lines on the screen move the ◄ direction.

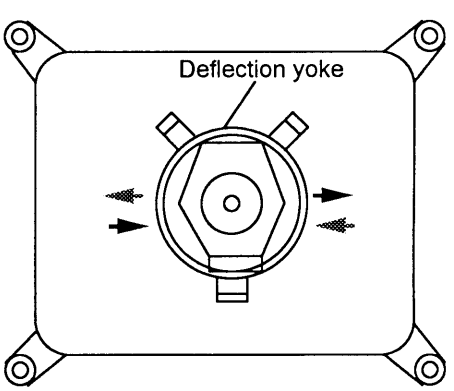
Swing the deflection yoke the ◄ direction, red/blue lines on the screen move the ◄ direction.

Fastening the deflection yoke, insert and fix the D.Y. spacer.



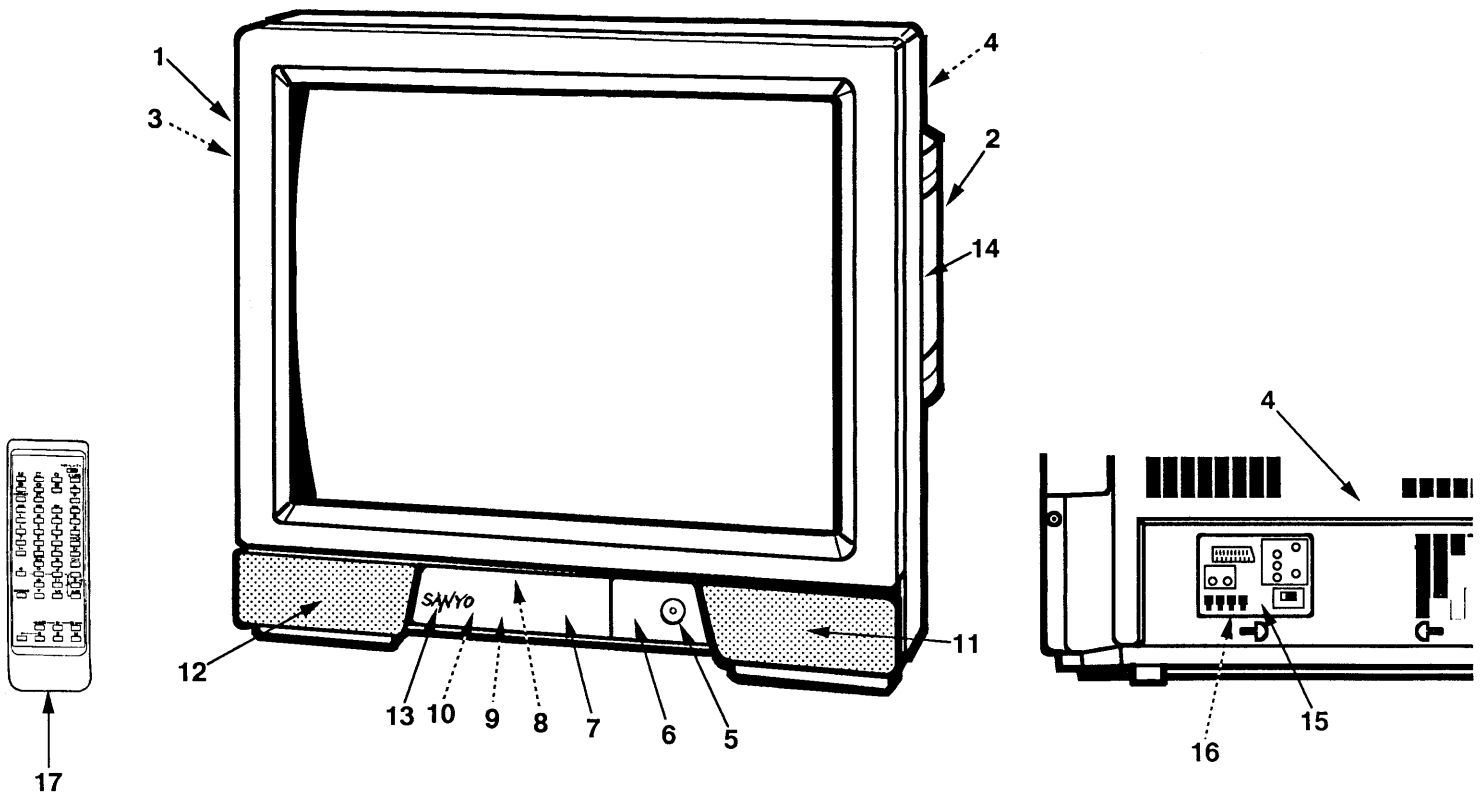






CABINET PARTS LIST

Note : Parts order must contain Service Ref. No.,Key No.,Parts No., and Description.



Key No.	Part No.	Description	Key No.	Part No.	Description
1.	610 234 9849	ASSY. CABINET-A	11.	610 232 8349	SPEAKER GRILLE A
2.	610 231 0245	SPEAKER MTG BASE-R	12.	610 232 8356	SPEAKER GRILLE B
3.	610 232 8370	SPEAKER MTG BASE-L	13.	610 232 9025	SANYO BADGE
4.	610 234 9276	BACK COVER	14.	610 232 0183	SPEAKER GRILLE C
	610 234 9931	SPEC LABEL	15.	610 224 3789	DEC SHEET-B
5.	610 232 8271	BUTTON	16.	610 232 4457	PANEL REAR
	610 082 4409	COIL SPRING	17.	610 230 3636	RC TRANSMITTER JXHK
6.	610 231 0191	DEC PANEL			
7.	610 237 0638	DOOR			
8.	610 104 2505	PUSH LATCH			
9.	610 234 4509	DEC SHEET-A			
10.	610 103 8010	DUBBING BUTTON			

CHASSIS ELECTRICAL PARTS LIST

Rroduct safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a ⚠ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

Note: Part order must contain Service Ref. No. , Part Ref. No. , Part No. ,and descriptions. The main PCB unit will be supplied without tuner and flyback transformer. They should be ordered separately.

Read description in the Capacitor and Resister as follows:

CAPACITOR

CERAMIC 100P K 50V

- 50V: Rated Voltage
- K: Tolerance Symbols:

Less than 10PF

A: Not specified	B: ± 0.1PF	C: ± 0.25PF
D: ± 0.5PF	F: ± 1PF	G: ± 2PF
R: +0.25-0PF	S: +0-0.25PF	E: +0-1PF

Moer than 10PF

A: Not specified	B: ± 0.1%	C: ± 0.25%
D: ± 0.5%	F: ± 1%	G: ± 2%
H: ± 3%	J : ± 5%	K: ± 10%
L : ± 15%	M: ± 20%	N: ± 30%
P: +100-0%	Q: +30-10%	T: +50-10%
U: +75-10%	V: +20-10%	W: +100-10%
X: +40-20%	Y: +150-10%	Z: +80-20%

- 100P: Rated value:P=pico farad,U=Micro farad
- CERAMIC: Material :

CERAMIC.....Ceramic
MT-PAPER.....Metallised Paper
POLYESTER.....Polyester
MT-POLYEST.....Metallized Polyester
POLYPRO.....Polypropylene
MT-POLYPRO.....Metallized Polypropylene
COMPO FILM.....Composite film
MT-COMPO.....Metallized Copmposite
STYRENE.....Styrene
TA-SOLID.....Tantalum Solid
AL-SOLID.....Aluminium Solid
ELECT.....Electrolytic
NP-ELECT.....Non-polarized Electrolytic
OS-SOLID.....Aluminium Solid with Organic Semiconductive Electrolytic
DL-ELECT.....Doble Layered Electrolytic

RESISTER

CARBON 4.7K J A 1/4W

- 1/4W: Rated Wattage
- A: Performance Symbols:
  A:General B:Non flammable Z:Low noise
  Other :Temperature coefficient
- J: Tolerance Symbols:
  A: ± 0.05% B: ± 0.1% C: ± 0.25% D: ± 0.5%
  F: ± 1% G: ± 2% J: ± 5% K: ± 10%
  M: ± 20% P:+5-15%
- 4.7K: Rated value, ohms:
  K:1,000, M:1,000,000
- CARBON: Material :

CARBON .....Carbon
MT-FILM.....Metal Film
OXIDE-MT .....Oxide Metal Film
SOLID .....Composition
MT-GLAZE .....Metal Glaze
WIRE WOUND .....Wire Wound
CERAMIC RES.....Ceramic
FUSIBLE RES .....Fusible

610 235 8551 MAIN UNIT E4GD UE2271F

Ref. No.	Part No.	Description
TRANSISTER		
Q121	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q181	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q182	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q191	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S

Ref. No.	Part No.	Description
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q192	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q241	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
Q256	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q275	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q312	405 058 0208	TR 2SC3807-R-CTV-YA
Q313	405 095 0407	TR 2SC4429-L-YB
	405 095 0308	TR 2SC4429-M-YB
Q314	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q315	405 022 0005	TR 2SD1246-T
	405 039 8001	TR 2SD1246-U
Q361	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q411	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q431	405 018 0507	TR 2SC3332-R
	405 018 0606	TR 2SC3332-S
Q432	405 057 0209	TR 2SD1880-CTV-YC
Q481	405 064 7307	TR 2SB1274-Q-RA
	405 064 7406	TR 2SB1274-R-RA
	405 064 7505	TR 2SB1274-S-RA
Q482	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
INTEGRATED CIRCUIT		
IC151	409 264 6702	IC UPC1891ACY
	409 204 0401	IC UPC1891CX
IC161	409 001 0604	IC AN5836
IC171	409 017 7505	IC LA4270
IC201	409 035 8409	IC M51308SP
IC251	409 132 7909	IC MC14053BCP
	409 051 3006	IC TC4053BP
	409 059 2407	IC UPD4053BC
IC351	409 169 5800	IC SE140NL
IC352	409 143 3402	IC AN78M12-LB
	409 026 9507	IC L78M12-RA
	410 000 2308	IC TA78M12P(LB106)

Ref. No.	Part No.	Description
IC353	409 143 3402	IC AN78M12-LB
	409 026 9507	IC L78M12-RA
	410 000 2308	IC TA78M12P(LB106)
IC421	409 019 6803	IC LA7950
IC451	409 173 2802	IC LA7838
IC471	409 026 8609	IC L78M05-RA
CAPACITOR		
C104	403 067 6709	MT-COMPO 0.22U J 50V
C110	403 043 9106	ELECT 47U M 16V
C113	403 046 9905	ELECT 4.7U M 25V
C136	403 067 7300	MT-COMPO 0.33U J 50V
C150	403 046 9905	ELECT 4.7U M 25V
C151	403 085 4008	NP-ELECT 10U M 16V
C152	403 057 2803	POLYESTER 0.1U K 50V
	403 057 3701	POLYESTER 0.1U K 50V
C153	403 059 3600	POLYESTER 2200P K 50V
	403 059 4201	POLYESTER 2200P K 50V
C154	403 059 5901	POLYESTER 0.022U K 50V
	403 059 6700	POLYESTER 0.022U K 50V
C155	403 059 5901	POLYESTER 0.022U K 50V
	403 059 6700	POLYESTER 0.022U K 50V
C156	403 049 0008	ELECT 1U M 50V
C157	403 045 5809	ELECT 22U M 25V
C158	403 063 7601	POLYESTER 0.082U K 50V
	403 063 8202	POLYESTER 0.082U K 50V
C159	403 046 9905	ELECT 4.7U M 25V
C160	403 086 0108	NP-ELECT 4.7U M 25V
C162	403 067 6709	MT-COMPO 0.22U J 50V
C163	403 067 6709	MT-COMPO 0.22U J 50V
C164	403 049 0008	ELECT 1U M 50V
C165	403 049 0008	ELECT 1U M 50V
C166	403 049 0008	ELECT 1U M 50V
C167	403 042 4805	ELECT 1000U M 16V
C168	403 043 9106	ELECT 47U M 16V
C169	403 086 0108	NP-ELECT 4.7U M 25V
C170	403 044 9501	ELECT 100U M 25V
C171	403 039 6508	ELECT 100U M 10V
C172	403 039 6508	ELECT 100U M 10V
C173	403 074 5702	CERAMIC 560P K 50V
C174	403 074 5702	CERAMIC 560P K 50V
C175	403 067 5603	MT-COMPO 0.1U J 50V
C176	403 067 5603	MT-COMPO 0.1U J 50V
C177	403 148 0404	ELECT 1000U M 25V
C178	403 148 0404	ELECT 1000U M 25V
C182	403 041 8804	ELECT 10U M 16V
C191	403 068 9006	CERAMIC 100P K 50V
C192	403 068 9006	CERAMIC 100P K 50V
C201	403 085 7405	NP-ELECT 10U M 25V
C202	403 017 7503	CERAMIC 22P J 50V
C203	403 048 6308	ELECT 0.47U M 50V
C211	403 041 8804	ELECT 10U M 16V
C212	403 069 8305	CERAMIC 0.01U Z 50V
C213	403 011 3808	CERAMIC 120P J 50V
C214	403 048 6308	ELECT 0.47U M 50V
C221	403 042 2405	ELECT 100U M 16V
C222	403 057 2803	POLYESTER 0.1U K 50V
	403 057 3701	POLYESTER 0.1U K 50V
C223	403 042 2405	ELECT 100U M 16V
C224	403 042 2405	ELECT 100U M 16V
C226	403 041 8804	ELECT 10U M 16V
C229	403 043 9106	ELECT 47U M 16V
C231	403 086 0108	NP-ELECT 4.7U M 25V
C232	403 049 0008	ELECT 1U M 50V
C233	403 041 8804	ELECT 10U M 16V
C250	403 069 8305	CERAMIC 0.01U Z 50V
C252	403 028 2009	CERAMIC 56P J 50V
C253	403 026 1103	CERAMIC 47P J 50V
C255	403 069 8305	CERAMIC 0.01U Z 50V
C256	403 030 5401	CERAMIC 68P J 50V

Ref.No.	Part No.	Description
C258	403 069 8305	CERAMIC 0.01U Z 50V
C259	403 069 8305	CERAMIC 0.01U Z 50V
C261	403 069 8305	CERAMIC 0.01U Z 50V
C262	403 086 2607	NP-ELECT 1U M 50V
C263	403 069 8305	CERAMIC 0.01U Z 50V
C264	403 069 8305	CERAMIC 0.01U Z 50V
C265	403 048 6308	ELECT 0.47U M 50V
C271	403 058 9900	POLYESTER 0.018U K 50V
	403 059 0500	POLYESTER 0.018U K 50V
C281	403 069 8305	CERAMIC 0.01U Z 50V
C282	403 013 1901	CERAMIC 150P J 50V
C283	403 069 8305	CERAMIC 0.01U Z 50V
C284	403 069 8305	CERAMIC 0.01U Z 50V
C285	403 017 7701	CERAMIC 22P J 50V
C286	403 069 8305	CERAMIC 0.01U Z 50V
C291	403 073 2900	CERAMIC 390P K 50V
C293	403 073 2900	CERAMIC 390P K 50V
C295	403 073 2900	CERAMIC 390P K 50V
C301	403 076 7100	CERAMIC 1000P M 1K
C302	403 076 7100	CERAMIC 1000P M 1K
C303	403 076 7100	CERAMIC 1000P M 1K
C304	403 076 7100	CERAMIC 1000P M 1K
C307	404 051 8105	ELECT 270U M 400V
	404 045 4106	ELECT 270U M 400V
C311	403 057 1905	POLYESTER 0.1U J 50V
	403 057 2605	POLYESTER 0.1U J 50V
C312	403 058 2406	POLYESTER 0.015U J 50V
	403 058 3007	POLYESTER 0.015U J 50V
C313	403 069 0507	CERAMIC 1000P K 50V
C319	403 058 3205	POLYESTER 0.015U K 50V
	403 058 3809	POLYESTER 0.015U K 50V
C320	403 076 3102	CERAMIC 3900P K 500V
C321	403 077 5501	CERAMIC 2200P K 2K
	403 186 2002	CERAMIC 2200P K 2K
⚠C332	404 008 4105	CERAMIC 2200P M 400V
C333	404 008 3207	CERAMIC 1500P M 400V
⚠C334	404 008 3108	CERAMIC 470P M 400V
C351	403 158 1309	ELECT 2200U M 35V
C352	403 148 2002	ELECT 470U M 35V
C353	403 045 9807	ELECT 2200U M 25V
C354	404 037 0703	ELECT 470U M 160V
C355	403 148 0305	ELECT 470U M 16V
C357	403 126 4707	ELECT 220U M 16V
C362	403 165 6007	CERAMIC 1000P K 1K
	403 112 5800	CERAMIC 1000P K 1K
	403 186 3702	CERAMIC 1000P K 1K
C363	403 076 3607	CERAMIC 470P K 500V
C365	403 049 0008	ELECT 1U M 50V
C400	403 067 5702	MT-COMPO 1U J 50V
C401	403 049 0008	ELECT 1U M 50V
C402	403 074 8901	CERAMIC 680P K 50V
C403	403 049 9803	ELECT 2.2U M 50V
C405	403 049 0008	ELECT 1U M 50V
C406	403 074 8901	CERAMIC 680P K 50V
C407	403 058 2406	POLYESTER 0.015U J 50V
	403 058 3007	POLYESTER 0.015U J 50V
C408	403 043 9106	ELECT 47U M 16V
C410	403 076 1207	CERAMIC 270P K 500V
C411	403 069 0507	CERAMIC 1000P K 50V
C412	403 085 4008	NP-ELECT 10U M 16V
C421	403 042 4805	ELECT 1000U M 16V
C422	403 060 8205	POLYESTER 0.033U K 50V
	403 060 8809	POLYESTER 0.033U K 50V
C423	403 086 5400	NP-ELECT 2.2U M 50V
C424	403 059 5901	POLYESTER 0.022U K 50V
	403 059 6700	POLYESTER 0.022U K 50V
C425	403 058 0303	POLYESTER 1500P J 50V
	403 058 0907	POLYESTER 1500P J 50V
C426	403 057 0403	POLYESTER 0.01U K 50V
	403 057 1004	POLYESTER 0.01U K 50V

Ref. No.	Part No.	Description
C429	403 063 2101	POLYESTER 0.068U K 50V
	403 063 2705	POLYESTER 0.068U K 50V
C432	403 076 3102	CERAMIC 3900P K 500V
C433	403 075 7101	CERAMIC 1000P K 500V
C434	403 054 0703	ELECT 47U M 35V
⚠C435	404 030 7501	MT-POLYPRO 7200P J 1.5K
	404 030 7600	MT-POLYPRO 7200P J 1.5K
⚠C437	404 030 6702	MT-POLYPRO 8200P J 1.5K
	404 030 6801	MT-POLYPRO 8200P J 1.5K
C438	403 083 5304	POLYPRO 0.033U J 400V
C439	403 083 4901	POLYPRO 0.027U J 400V
C441	403 082 8405	POLYPRO 0.22U J 200V
C442	403 082 9006	POLYPRO 0.27U J 200V
C443	403 066 0104	MT-POLYEST 2.2U K 100V
C446	403 082 7408	POLYPRO 0.15U J 200V
C450	403 048 6308	ELECT 0.47U M 50V
C451	403 126 4707	ELECT 220U M 16V
C452	403 071 5606	CERAMIC 220P K 50V
C453	403 056 9506	POLYESTER 0.01U J 50V
	403 057 0205	POLYESTER 0.01U J 50V
C454	403 093 9507	OS-SOLID 1U K 16V
C455	403 148 2002	ELECT 470U M 35V
C456	403 072 4400	CERAMIC 270P K 50V
C457	403 061 3209	POLYESTER 0.039U J 50V
	403 061 3803	POLYESTER 0.039U J 50V
C458	403 148 1807	ELECT 220U M 35V
C459	403 064 8201	POLYESTER 0.047U K 100V
C461	403 045 9807	ELECT 2200U M 25V
C463	403 094 1401	OS-SOLID 3.3U K 16V
C471	403 042 2405	ELECT 100U M 16V
C472	403 045 5809	ELECT 22U M 25V
C473	403 106 4604	ELECT 33U M 250V
C474	403 066 6106	MT-POLYEST 0.47U J 250V
C475	403 039 6508	ELECT 100U M 10V
C482	403 038 6301	ELECT 220U M 6.3V
C483	403 067 7805	MT-COMPO 0.47U J 50V
C484	403 046 9905	ELECT 4.7U M 25V
C486	403 067 7508	MT-COMPO 0.39U J 50V
C492	403 057 0403	POLYESTER 0.01U K 50V
	403 057 1004	POLYESTER 0.01U K 50V
RESISTER		
R126	401 020 0801	CARBON 470 JA 1/4W
R127	401 020 0801	CARBON 470 JA 1/4W
R132	401 016 5803	CARBON 220K JA 1/4W
R143	401 016 4806	CARBON 22K JA 1/4W
R151	401 012 5708	CARBON 1K JA 1/4W
R152	401 027 9302	CARBON 820K JA 1/6W
R153	401 026 4308	CARBON 3.3K JA 1/6W
R162	401 027 2600	CARBON 5.6K JA 1/6W
R163	401 027 2600	CARBON 5.6K JA 1/6W
R165	401 024 7004	CARBON 1K JA 1/6W
R166	401 024 7004	CARBON 1K JA 1/6W
R167	401 024 8001	CARBON 1M JA 1/6W
R168	401 024 8001	CARBON 1M JA 1/6W
R175	402 059 4501	FUSIBLE RES 2.2 J- 1/2W
R176	402 059 4501	FUSIBLE RES 2.2 J- 1/2W
R177	401 012 5708	CARBON 1K JA 1/4W
R178	401 012 5708	CARBON 1K JA 1/4W
R182	401 020 0801	CARBON 470 JA 1/4W
R183	401 018 5801	CARBON 330K JA 1/4W
R184	401 025 0004	CARBON 120K JA 1/6W
R185	401 024 7400	CARBON 10K JA 1/6W
R187	401 024 7400	CARBON 10K JA 1/6W
R188	401 024 7400	CARBON 10K JA 1/6W
R191	401 024 9305	CARBON 1.2K JA 1/6W
R192	401 024 9305	CARBON 1.2K JA 1/6W
R203	401 022 3107	CARBON 6.8K JA 1/4W
R205	401 027 2600	CARBON 5.6K JA 1/6W
R206	401 026 6609	CARBON 390 JA 1/6W

Ref.No.	Part No.	Description
R211	401 027 0309	CARBON 47K JA 1/6W
R215	401 024 7400	CARBON 10K JA 1/6W
R216	401 025 1902	CARBON 15K JA 1/6W
R231	401 018 4507	CARBON 33K GA 1/4W
R232	401 012 7801	CARBON 100K GA 1/4W
R233	401 024 7004	CARBON 1K JA 1/6W
R234	401 025 8208	CARBON 22K JA 1/6W
R235	401 025 4903	CARBON 180K JA 1/6W
R236	401 026 7606	CARBON 390K JA 1/6W
R237	401 018 4903	CARBON 33K JA 1/4W
R238	401 025 0004	CARBON 120K JA 1/6W
R239	401 027 5502	CARBON 6.8K JA 1/6W
R241	401 026 9907	CARBON 4.7K JA 1/6W
R242	401 012 5708	CARBON 1K JA 1/4W
R243	401 027 8305	CARBON 820 JA 1/6W
R244	401 026 9907	CARBON 4.7K JA 1/6W
R251	401 027 5205	CARBON 680 JA 1/6W
R252	401 026 7408	CARBON 39K JA 1/6W
R254	401 026 3905	CARBON 330 JA 1/6W
R258	401 027 0309	CARBON 47K JA 1/6W
R259	401 027 5205	CARBON 680 JA 1/6W
R261	401 026 7804	CARBON 3.9M JA 1/6W
R262	401 025 1902	CARBON 15K JA 1/6W
R263	401 024 9701	CARBON 12K JA 1/6W
R264	401 024 7400	CARBON 10K JA 1/6W
R271	401 025 0202	CARBON 1.2M JA 1/6W
R275	401 024 9701	CARBON 12K JA 1/6W
R276	401 024 9701	CARBON 12K JA 1/6W
R277	401 025 1605	CARBON 1.5K JA 1/6W
R281	401 026 6609	CARBON 390 JA 1/6W
R282	401 027 2303	CARBON 560 JA 1/6W
R283	401 027 2303	CARBON 560 JA 1/6W
R291	401 026 4308	CARBON 3.3K JA 1/6W
R292	401 025 1308	CARBON 150 JA 1/6W
R293	401 026 4308	CARBON 3.3K JA 1/6W
R294	401 025 1308	CARBON 150 JA 1/6W
R295	401 026 4308	CARBON 3.3K JA 1/6W
R296	401 025 1308	CARBON 150 JA 1/6W
R302	402 058 6605	WIRE WOUND 3.9 JA 15W
R311	401 014 5201	CARBON 15K JA 1/4W
R312	401 008 6009	CARBON 22 JA 1/2W
R313	401 015 2209	CARBON 1.8K GA 1/4W
R314	402 055 6202	WIRE WOUND 18 KA 6W
R317	401 025 8208	CARBON 22K JA 1/6W
R318	401 025 1605	CARBON 1.5K JA 1/6W
R319	401 012 4503	CARBON 100 JA 1/4W
R320	401 007 5805	CARBON 120K JA 1/2W
R321	401 007 5805	CARBON 120K JA 1/2W
R322	401 027 2600	CARBON 5.6K JA 1/6W
R324	401 024 7400	CARBON 10K JA 1/6W
R325	401 024 6700	CARBON 100 JA 1/6W
R327	401 067 4206	OXIDE-MT 33 JA 2W
R328	401 067 4206	OXIDE-MT 33 JA 2W
⚠R331	402 000 8305	SOLID 5.6M KA 1/2W
⚠R332	402 000 8305	SOLID 5.6M KA 1/2W
R351	401 070 1803	OXIDE-MT 0.47 JA 3W
R355	401 065 9609	OXIDE-MT 18 JA 2W
R356	401 022 4104	CARBON 68K JA 1/4W
R357	401 059 3903	OXIDE-MT 1.5K JA 1W
R359	401 065 5809	OXIDE-MT 15 JA 2W
R364	401 027 3003	CARBON 56K JA 1/6W
R370	401 070 2404	OXIDE-MT 0.68 JA 3W
R371	401 066 8007	OXIDE-MT 22K JA 2W
R401	401 020 0801	CARBON 470 JA 1/4W
R402	401 026 4902	CARBON 330K JA 1/6W
R403	401 025 1605	CARBON 1.5K JA 1/6W
R405	401 027 3201	CARBON 560K JA 1/6W
R406	401 027 5205	CARBON 680 JA 1/6W
R410	401 018 3807	CARBON 3.3K JA 1/4W
R411	401 023 2802	CARBON 8.2K JA 1/4W

Ref. No.	Part No.	Description
R412	401 027 8602	CARBON 8.2K JA 1/6W
R413	401 024 9701	CARBON 12K JA 1/6W
R414	401 024 7400	CARBON 10K JA 1/6W
R415	401 022 1905	CARBON 680 JA 1/4W
R416	401 026 1307	CARBON 27K JA 1/6W
R417	401 027 5205	CARBON 680 JA 1/6W
R418	401 027 9005	CARBON 82K JA 1/6W
R419	401 026 0607	CARBON 270 JA 1/6W
R421	401 025 1605	CARBON 1.5K JA 1/6W
R423	401 027 2600	CARBON 5.6K JA 1/6W
R424	401 026 0607	CARBON 270 JA 1/6W
R425	401 027 9005	CARBON 82K JA 1/6W
R426	401 025 4903	CARBON 180K JA 1/6W
R428	401 025 8703	CARBON 220K JA 1/6W
R429	401 024 9701	CARBON 12K JA 1/6W
R431	401 026 4308	CARBON 3.3K JA 1/6W
R432	401 026 3905	CARBON 330 JA 1/6W
R434	401 007 1104	CARBON 1K JA 1/2W
R435	401 066 0506	OXIDE-MT 180 JA 2W
R437	402 057 9508	WIRE WOUND 4.7 KA 6W
⚠R441	402 002 5708	FUSIBLE RES 1K J- 1W
R442	401 025 8703	CARBON 220K JA 1/6W
R445	401 026 4605	CARBON 33K JA 1/6W
R446	401 065 2808	OXIDE-MT 120 JA 2W
R449	401 014 6109	CARBON 150K JA 1/4W
R450	401 025 0202	CARBON 1.2M JA 1/6W
R451	401 027 5502	CARBON 6.8K JA 1/6W
R453	401 022 3107	CARBON 6.8K JA 1/4W
R454	401 027 5908	CARBON 68K JA 1/6W
R455	401 007 7601	CARBON 150 JA 1/2W
R456	401 025 8208	CARBON 22K JA 1/6W
R457	401 024 7400	CARBON 10K JA 1/6W
R458	401 027 3003	CARBON 56K JA 1/6W
R460	401 025 1902	CARBON 15K JA 1/6W
R461A	401 015 7808	CARBON 2.7 JA 1/4W
R461B	401 015 7808	CARBON 2.7 JA 1/4W
R461C	401 015 7808	CARBON 2.7 JA 1/4W
R463	401 061 2505	OXIDE-MT 330 JA 1W
R465	401 024 9701	CARBON 12K JA 1/6W
R466	401 024 7004	CARBON 1K JA 1/6W
R467	401 018 2800	CARBON 330 JA 1/4W
R468	401 069 2804	OXIDE-MT 680 JA 2W
R469	401 007 1104	CARBON 1K JA 1/2W
R470	401 027 5502	CARBON 6.8K JA 1/6W
R471	401 062 3907	OXIDE-MT 5.6 JA 1W
R472	401 062 1200	OXIDE-MT 470 JA 1W
R473	401 007 9308	CARBON 150K JA 1/2W
R474	401 027 8602	CARBON 8.2K JA 1/6W
R475	401 068 6209	OXIDE-MT 5.6 JA 2W
R476	402 038 2801	FUSIBLE RES 3.9 J- 1W
R478	401 025 0202	CARBON 1.2M JA 1/6W
R479	401 025 3807	CARBON 180 JA 1/6W
R481	401 026 7002	CARBON 3.9K JA 1/6W
R482	401 022 1905	CARBON 680 JA 1/4W
R483	401 026 4308	CARBON 3.3K JA 1/6W
R484	401 027 0309	CARBON 47K JA 1/6W
R485	401 027 0309	CARBON 47K JA 1/6W
R486	401 027 5908	CARBON 68K JA 1/6W
R491	401 014 5201	CARBON 15K JA 1/4W
R492	401 025 4606	CARBON 18K JA 1/6W
R493	401 024 7400	CARBON 10K JA 1/6W
R498	401 012 7009	CARBON 10K JA 1/4W
R499	401 025 4606	CARBON 18K JA 1/6W
VARIABLE RESISTER		
VR121	610 019 3338	VR B-1K
	610 019 3345	VR B-1K
	610 020 4751	VR
VR211	610 019 3475	VR B-30K
	610 019 3482	VR B-30K
	610 020 4812	VR
VR251	610 019 3338	VR B-1K
	610 019 3345	VR B-1K
	610 020 4751	VR
VR411	610 019 3451	VR B-20K
	610 019 3468	VR B-20K
	610 020 4805	VR B-20K
VR451	610 019 3475	VR B-30K
	610 019 3482	VR B-30K
	610 020 4812	VR
VR461	610 019 3314	VR B-500
	610 019 3321	VR B-500
	610 020 4744	VR B-500
VR481	610 019 3413	VR B-10K
	610 019 3420	VR B-10K
	610 020 4799	VR B-10K
TRANSFORMER		
T211	610 037 4546	S COIL
T281	610 037 7028	S TRANS
⚠T311	610 231 8364	CONVERTER TRANS
T431	610 000 1077	DRIVE TRANS
	610 223 1656	DRIVE TRANS
⚠T471	610 231 8371	FBT
COIL		
L100	610 029 6442	PEAKING COIL 68UH K
	610 029 8682	PEAKING COIL 68UH K
L167	610 029 6268	PEAKING COIL 330UH K
	610 029 8484	PEAKING COIL 330UH K
L222	610 029 5926	PEAKING COIL 10UH K
	610 029 8125	PEAKING COIL 10UH K
L251	610 029 6329	PEAKING COIL 4.7UH K
	610 029 8545	PEAKING COIL 4.7UH K
L281	610 029 6466	PEAKING COIL 8.2UH K
	610 029 8729	PEAKING COIL 8.2UH K
L282	610 032 6699	1H DELAYLINE
	610 032 6705	1H DELAYLINE
⚠L302	610 031 6133	LINE FILTER
L311	610 078 4635	PIPECORE
L351A	610 078 9920	BEAD CORE
L351B	610 078 9920	BEAD CORE
L361	610 078 4635	PIPECORE
L421	610 029 5940	PEAKING COIL 100UH K
	610 029 8149	PEAKING COIL 100UH K
L431	610 032 4404	FILTER COIL
	610 032 4367	FILTER COIL
L432	610 078 4635	PIPECORE
L433A	610 000 0292	COIL
	610 205 0080	COIL
L441	610 000 1046	LINEARITY COIL
L446	610 031 1039	INDUCTOR
	610 211 3471	INDUCTOR
L452	610 029 6381	PEAKING COIL 56UH K
	610 029 8620	PEAKING COIL 56UH K
L453	610 032 1243	INDUCTOR 150UHK
	610 032 1250	INDUCTOR 150UHK
L481	610 031 1367	INDUCTOR 202J
	610 211 3488	INDUCTOR
DIODE		
DR352	407 009 8905	DIODE RU3M
DR352A	610 079 0056	BEAD CORE
DR352B	610 079 0056	BEAD CORE
D166	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D167	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176

Ref. No.	Part No.	Description
D168	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D169	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D181	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D221	407 005 7308	DIODE EM01Z
	407 006 1008	DIODE ERB12-02RK
D231	407 005 4505	DIODE DS442X
	407 013 1008	DIODE 1S1553
	407 013 4306	DIODE 1S2076A
	407 013 6508	DIODE 1S2471
D237	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D241	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D242	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D243	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D248	408 008 2406	DIODE 1N4148
	407 013 1008	DIODE 1S1553
	407 013 4306	DIODE 1S2076A
	407 013 6508	DIODE 1S2471
D301	407 064 6908	DIODE TVR4N(X)
	407 006 6300	DIODE ERC05-10B
D302	407 064 6908	DIODE TVR4N(X)
	407 006 6300	DIODE ERC05-10B
D303	407 064 6908	DIODE TVR4N(X)
	407 006 6300	DIODE ERC05-10B
D304	407 064 6908	DIODE TVR4N(X)
	407 006 6300	DIODE ERC05-10B
⚠D311	407 105 8700	PHOTO COUPLE PC113B
	408 009 8407	PHOTO COUPLE CNY17F-30PT6
⚠D312	407 105 8700	PHOTO COUPLE PC113B
	408 009 8407	PHOTO COUPLE CNY17F-30PT6
D313	408 008 2406	DIODE 1N4148
	407 013 1008	DIODE 1S1553
	407 013 4306	DIODE 1S2076A
	407 013 6508	DIODE 1S2471
D314	407 007 6606	DIODE ES1
D315	407 048 4203	ZENER DIODE EQA02-08B
	407 048 4302	ZENER DIODE EQA02-08C
D316	408 008 2406	DIODE 1N4148
	407 013 1008	DIODE 1S1553
	407 013 4306	DIODE 1S2076A
	407 013 6508	DIODE 1S2471
D318	408 008 2406	DIODE 1N4148
	407 013 1008	DIODE 1S1553
	407 013 4306	DIODE 1S2076A
	407 013 6508	DIODE 1S2471
D325	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D351	407 103 1604	DIODE RU4YX LF-J3
D353	407 129 6706	DIODE RU4YX LF-L1
D354	407 129 7000	DIODE RU4AM LF-L1
D360	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D361	408 008 2406	DIODE 1N4148
	407 013 1008	DIODE 1S1553
	407 013 4306	DIODE 1S2076A
	407 013 6508	DIODE 1S2471
D363	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D364	408 008 2406	DIODE 1N4148
	407 013 1008	DIODE 1S1553
	407 013 4306	DIODE 1S2076A
	407 013 6508	DIODE 1S2471
D365	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D368	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D369	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D411	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D414	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D415	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D431	407 095 8001	DIODE ERD07-15L
	407 125 6502	DIODE RS3FS LF-U1
D432	407 006 4108	DIODE ERB44-04
D451	407 011 3004	DIODE S5277B
D452	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D462	407 118 2207	ZENER DIODE 1Z75
D471	407 006 3903	DIODE ERB43-04
	407 011 4407	DIODE TVR1G
D472	407 007 7405	DIODE EU1
D474	407 007 7009	DIODE EU01
D476	407 048 9000	ZENER DIODE EQA02-18A
D478	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473

Ref. No.	Part No.	Description
D481	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D482	407 048 0809	ZENER DIODE EQA02-05AB
D486	407 012 4208	DIODE 1SS131
	407 012 6004	DIODE 1SS178
D492	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D493	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D497	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D498	407 048 3404	ZENER DIODE EQA02-07B
	407 048 3503	ZENER DIODE EQA02-07C
MISCELLANEUS		
A101AB	610 232 5645	TUNER ASSY
A101A	610 232 5720	UHF VARACTOR TUNER
A101B	610 232 5737	IF PACK
PS301	408 013 3801	TH PTH451C262BF140M270
SW241	610 011 2728	LEVER SWITCH
X251	610 012 2222	CERAMIC TRAP
	610 226 6894	CERAMIC TRAP
X261	610 012 0495	CRYSTAL OSCILLATOR
	610 012 0501	CRYSTAL OSCILLATOR
	610 204 4188	CRYSTAL OSCILLATOR
	610 012 0525	CRYSTAL OSCILLATOR
X421	610 012 2017	CERAMIC OSCILLATOR
610 235 8575 CONTROL UNIT E4GD UE2272F		
TRANSISTER		
Q701	405 014 8408	TR 2SC2568(1)-K
	405 014 8507	TR 2SC2568(1)-L
	405 041 6507	TR 2SC2621-D-RA
	405 041 6705	TR 2SC2621-E-RA
Q711	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q715	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q716	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q717	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q721	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q731	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q732	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q733	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R

Ref. No.	Part No.	Description
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q735	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q736	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q737	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q738	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q741	405 011 7305	TR 2SC1740-Q

Ref.No.	Part No.	Description
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q742	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA

INTEGRATED CIRCUIT

IC701	410 134 6906	IC M37102M8-526SP
IC702	409 019 7503	IC LB1214
IC721	409 199 5306	IC M6M80011AP
	409 151 7904	IC M6M80011P
IC735	409 026 8005	IC L5630
	409 057 5103	IC UPC574J
IC741	409 160 0507	IC UPD6326C

CAPACITOR

C7T1	403 069 0507	CERAMIC	1000P K	50V
C7T2	403 069 0507	CERAMIC	1000P K	50V
C7T4	403 069 8305	CERAMIC	0.01U Z	50V
C7T5	403 069 8305	CERAMIC	0.01U Z	50V
⚠C701	404 007 9903	MT-COMPO	0.1U M	250V
C702A	404 007 9903	MT-COMPO	0.1U M	250V
C703	403 054 1502	ELECT	470U M	35V
C704	403 039 9004	ELECT	1000U M	10V
C711	403 057 2803	POLYESTER	0.1U K	50V
C712	403 040 9406	ELECT	330U M	10V
C716	403 056 7106	POLYESTER	1000P J	50V
C717	403 030 5104	CERAMIC	68P J	50V
C718	403 030 5104	CERAMIC	68P J	50V
C719	403 030 5104	CERAMIC	68P J	50V
C720	403 030 5104	CERAMIC	68P J	50V
C721	403 069 8305	CERAMIC	0.01U Z	50V
C723	403 041 8804	ELECT	10U M	16V
C729	403 041 8804	ELECT	10U M	16V
C731	403 071 1707	CERAMIC	180P K	50V
C732	403 057 2803	POLYESTER	0.1U K	50V
C733	403 057 2803	POLYESTER	0.1U K	50V
C736	403 012 4002	CERAMIC	15P J	50V
C737	403 017 7404	CERAMIC	22P J	50V
C738	403 026 0809	CERAMIC	47P J	50V
C739	403 026 0809	CERAMIC	47P J	50V
C741	403 069 8305	CERAMIC	0.01U Z	50V
C742	403 069 8305	CERAMIC	0.01U Z	50V
C743	403 069 8305	CERAMIC	0.01U Z	50V
C747	403 051 0607	ELECT	4.7U M	50V
C751	403 043 9106	ELECT	47U M	16V

Ref. No.	Part No.	Description
RESISTER		
RB701	610 225 7366	R BLOCK
RB702	610 225 7373	R BLOCK
RB703	610 225 7366	R BLOCK
R7A5	401 026 7606	CARBON 390K JA 1/6W
R7A6	401 024 7400	CARBON 10K JA 1/6W
R7A7	401 024 7400	CARBON 10K JA 1/6W
R7A9	401 025 8703	CARBON 220K JA 1/6W
R7C1	401 024 7400	CARBON 10K JA 1/6W
R7C2	401 024 7004	CARBON 1K JA 1/6W
R7C3	401 024 7400	CARBON 10K JA 1/6W
R7C4	401 024 9701	CARBON 12K JA 1/6W
R7C5	401 024 7707	CARBON 100K JA 1/6W
R7C7	401 024 7400	CARBON 10K JA 1/6W
R7C9	401 025 4200	CARBON 1.8K JA 1/6W
R7F1	401 025 1605	CARBON 1.5K JA 1/6W
R7F2	401 025 1605	CARBON 1.5K JA 1/6W
R7F3	401 024 7400	CARBON 10K JA 1/6W
R7F4	401 024 7400	CARBON 10K JA 1/6W
R7H2	401 027 2600	CARBON 5.6K JA 1/6W
R7H3	401 024 7400	CARBON 10K JA 1/6W
R7H4	401 024 9305	CARBON 1.2K JA 1/6W
R7H5	401 025 1605	CARBON 1.5K JA 1/6W
R7H6	401 025 1605	CARBON 1.5K JA 1/6W
R7H7	401 025 1605	CARBON 1.5K JA 1/6W
R7H8	401 025 1605	CARBON 1.5K JA 1/6W
R7K4	401 026 1307	CARBON 27K JA 1/6W
R7L2	401 026 1307	CARBON 27K JA 1/6W
R7L3	401 027 2600	CARBON 5.6K JA 1/6W
R7L4	401 026 1000	CARBON 2.7K JA 1/6W
R7L5	401 024 7004	CARBON 1K JA 1/6W
R7L6	401 024 7707	CARBON 100K JA 1/6W
R7L7	401 027 5502	CARBON 6.8K JA 1/6W
R7L8	401 024 7707	CARBON 100K JA 1/6W
R7M4	401 024 7004	CARBON 1K JA 1/6W
R7M5	401 024 7004	CARBON 1K JA 1/6W
R7M6	401 024 7004	CARBON 1K JA 1/6W
R7M7	401 024 7004	CARBON 1K JA 1/6W
R7M8	401 024 7004	CARBON 1K JA 1/6W
R7T1A	401 022 6801	CARBON 75 JA 1/4W
R7T2	401 027 3003	CARBON 56K JA 1/6W
R7T3	401 027 3003	CARBON 56K JA 1/6W
R7T4	401 025 1605	CARBON 1.5K JA 1/6W
R7T8	401 007 7601	CARBON 150 JA 1/2W
R7T9	401 007 7601	CARBON 150 JA 1/2W
⚠R701	401 008 8607	CARBON 220K JA 1/2W
R703A	401 016 3809	CARBON 2.2K JA 1/4W
R711	401 027 5502	CARBON 6.8K JA 1/6W
R713	401 027 2600	CARBON 5.6K JA 1/6W
R714	401 024 7400	CARBON 10K JA 1/6W
R715	401 027 5908	CARBON 68K JA 1/6W
R716	401 024 7400	CARBON 10K JA 1/6W
R717	401 024 6700	CARBON 100 JA 1/6W
R718	401 024 6700	CARBON 100 JA 1/6W
R719	401 024 6700	CARBON 100 JA 1/6W
R720	401 025 4606	CARBON 18K JA 1/6W
R721	401 024 6700	CARBON 100 JA 1/6W
R728	401 024 7400	CARBON 10K JA 1/6W
R730	401 026 9907	CARBON 4.7K JA 1/6W
R739	401 026 1307	CARBON 27K JA 1/6W
R741	401 024 7400	CARBON 10K JA 1/6W
R742	401 027 2600	CARBON 5.6K JA 1/6W
R743	401 024 7400	CARBON 10K JA 1/6W
R745	401 026 4308	CARBON 3.3K JA 1/6W
R746	401 024 7400	CARBON 10K JA 1/6W
R747	401 024 7400	CARBON 10K JA 1/6W
R748	401 024 7400	CARBON 10K JA 1/6W
R749	401 024 9008	CARBON 120 JA 1/6W
R751	401 026 7408	CARBON 39K JA 1/6W
R752	401 024 7400	CARBON 10K JA 1/6W

Ref.No.	Part No.	Description
R753	401 027 2303	CARBON 560 JA 1/6W
R755	401 026 9907	CARBON 4.7K JA 1/6W
R756	401 027 8602	CARBON 8.2K JA 1/6W
R757	401 025 1605	CARBON 1.5K JA 1/6W
R759	401 024 7400	CARBON 10K JA 1/6W
R764	401 024 7400	CARBON 10K JA 1/6W
R765	401 024 7400	CARBON 10K JA 1/6W
R768	401 024 9305	CARBON 1.2K JA 1/6W
R769	401 025 1605	CARBON 1.5K JA 1/6W
R772	401 027 2303	CARBON 560 JA 1/6W
R773	401 027 2600	CARBON 5.6K JA 1/6W
R774	401 026 9907	CARBON 4.7K JA 1/6W
R775	401 025 1605	CARBON 1.5K JA 1/6W
R777	401 026 4605	CARBON 33K JA 1/6W
R778	401 026 1307	CARBON 27K JA 1/6W
R779	401 025 8208	CARBON 22K JA 1/6W
R781	401 025 8208	CARBON 22K JA 1/6W
R782	401 025 8208	CARBON 22K JA 1/6W
R785	401 027 3201	CARBON 560K JA 1/6W
R786	401 026 4902	CARBON 330K JA 1/6W
R787	401 024 7004	CARBON 1K JA 1/6W
R788	401 025 1902	CARBON 15K JA 1/6W
R789	401 024 7400	CARBON 10K JA 1/6W
R791	401 025 4200	CARBON 1.8K JA 1/6W
R792	401 026 9907	CARBON 4.7K JA 1/6W
R793	401 024 7400	CARBON 10K JA 1/6W
R794	401 027 8602	CARBON 8.2K JA 1/6W
R795	401 024 9305	CARBON 1.2K JA 1/6W
R796	401 027 5502	CARBON 6.8K JA 1/6W
R799	401 027 2600	CARBON 5.6K JA 1/6W
VARIABLE RESISTER		
VR791	610 019 3123	VR B-3K
TRANSFORMER		
T701	610 033 3765	POWER TRANS
COIL		
L7T1	610 029 6466	PEAKING COIL 8.2UH K
	610 029 8729	PEAKING COIL 8.2UH K
L7T2	610 029 6466	PEAKING COIL 8.2UH K
	610 029 8729	PEAKING COIL 8.2UH K
⚠L701	610 221 6912	LINE FILTER
L711	610 029 6688	PEAKING COIL 1.0UH M
L731	610 029 6206	PEAKING COIL
	610 029 8422	PEAKING COIL 3.3UH K
L734	610 029 6367	PEAKING COIL 5.6UH K
	610 029 8606	PEAKING COIL 5.6UH K
DIODE		
D7H1	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D7KD1	407 013 1206	DIODE 1S1555
D703	407 005 7308	DIODE EM01Z
D705	407 048 2001	ZENER DIODE EQA02-06B
D711	407 013 1206	DIODE 1S1555
D712	407 012 4208	DIODE 1SS131
	407 012 6004	DIODE 1SS178
D715	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D716	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076

Ref. No.	Part No.	Description
	407 013 7109	DIODE 1S2473
D725	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D728	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D729	407 012 4208	DIODE 1SS131
	407 012 6004	DIODE 1SS178
D731	407 055 7907	ZENER DIODE RD3.6EL
D741	407 042 7309	LED TLR144
D741-A	610 210 6817	LED HOLDER-G2CA
	610 222 0322	LED HOLDER-G2CA-A
D751	407 013 1206	DIODE 1S1555
D752	407 013 1206	DIODE 1S1555
D753	407 013 1206	DIODE 1S1555
D754	407 013 1206	DIODE 1S1555
MISCELLANEUS		
⚠F701	423 012 2501	FUSE 250V 4A
TH731	407 015 0405	THERMISTOR SDT-35-CTV
A741	610 214 4833	RC PREAMP 409-1F
	610 224 5806	RC PREAMP 409-1F
K701	610 212 6334	PHONE JACK
K710	610 211 2696	RCA JACK 1P
K711	610 211 2702	RCA JACK 1P
K712	610 206 6340	RCA JACK 1P
PB701	610 223 6811	CONTROL PCB E2YY X2
	610 225 0152	CONTROL PCB E2YY-A
⚠SW701	610 011 3336	PUSH SWITCH
SW712	610 235 9237	PUSH SWITCH
SW713	610 011 4456	PUSH SWITCH
SW714	610 011 4456	PUSH SWITCH
SW721	610 226 6719	PUSH SWITCH
X721	610 012 2857	CERAMIC OSCILLATOR
	610 212 8765	CERAMIC OSCILLATOR

610 232 3955 A/V UNIT E4GE UE2273B

TRANSISTER		
Q13F7	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q13F8	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q13G8	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q13G9	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q13M1	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q13R8	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q13R9	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q13T2	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP

Ref. No.	Part No.	Description
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q13U8	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q13U9	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q13W1	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q13W2	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q13W3	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1309	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S

Ref.No.	Part No.	Description
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1324	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1328	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1331	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1344	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA

Ref. No.	Part No.	Description
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1345	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q1346	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1351	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1365	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1370	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP

Ref.No.	Part No.	Description
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1377	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1385	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
Q1391	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1392	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q1394	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
INTEGRATED CIRCUIT		
IC1301	409 132 7909	IC MC14053BCP
	409 051 3006	IC TC4053BP
	409 059 2407	IC UPD4053BC
IC1302	409 119 3702	IC LA7955
IC1303	409 132 7909	IC MC14053BCP
	409 051 3006	IC TC4053BP
	409 059 2407	IC UPD4053BC

Ref. No.	Part No.	Description
IC1304	409 132 7909	IC MC14053BCP
	409 051 3006	IC TC4053BP
	409 059 2407	IC UPD4053BC
IC1305	410 067 3201	IC TEA2014A
IC1306	409 073 1707	IC AN5862K
IC1307	409 073 5606	IC UPC1417CA
IC1308	409 073 1707	IC AN5862K
IC1309	409 043 5001	IC SN74LS32N
IC1310	409 132 7909	IC MC14053BCP
	409 051 3006	IC TC4053BP
	409 059 2407	IC UPD4053BC
IC1311	410 067 3201	IC TEA2014A
CAPACITOR		
C13F8	403 043 9601	ELECT 47U M 16V
C13G1	403 041 9405	ELECT 10U M 16V
C13G3	403 049 0800	ELECT 1U M 50V
C13G4	403 085 4107	NP-ELECT 10U M 16V
C13G8	403 041 9405	ELECT 10U M 16V
C13G9	403 028 1705	CERAMIC 56P J 50V
C13K0	403 033 3602	CERAMIC 82P J 50V
C13R1	403 041 9405	ELECT 10U M 16V
C13R3	403 049 0800	ELECT 1U M 50V
C13R4	403 085 4107	NP-ELECT 10U M 16V
C13R8	403 041 9405	ELECT 10U M 16V
C13R9	403 028 1705	CERAMIC 56P J 50V
C13T1	403 028 2009	CERAMIC 56P J 50V
C13U1	403 041 9405	ELECT 10U M 16V
C13U3	403 049 0800	ELECT 1U M 50V
C13U4	403 085 4107	NP-ELECT 10U M 16V
C13U8	403 041 9405	ELECT 10U M 16V
C13U9	403 028 1705	CERAMIC 56P J 50V
C13Y1	403 085 4107	NP-ELECT 10U M 16V
C13Y2	403 043 9601	ELECT 47U M 16V
C13Y3	403 085 4107	NP-ELECT 10U M 16V
C1301	403 041 9405	ELECT 10U M 16V
C1302	403 041 9405	ELECT 10U M 16V
C1303	403 041 9405	ELECT 10U M 16V
C1304	403 069 0507	CERAMIC 1000P K 50V
C1306	403 069 0507	CERAMIC 1000P K 50V
C1309	403 069 8305	CERAMIC 0.01U Z 50V
C1310	403 041 9405	ELECT 10U M 16V
C1311	403 085 4107	NP-ELECT 10U M 16V
C1312	403 085 4107	NP-ELECT 10U M 16V
C1314	403 085 4107	NP-ELECT 10U M 16V
C1315	403 041 9405	ELECT 10U M 16V
C1316	403 041 9405	ELECT 10U M 16V
C1317	403 041 9405	ELECT 10U M 16V
C1321	403 043 9601	ELECT 47U M 16V
C1322	403 085 4107	NP-ELECT 10U M 16V
C1323	403 043 9601	ELECT 47U M 16V
C1324	403 042 3006	ELECT 100U M 16V
C1326	403 042 3006	ELECT 100U M 16V
C1327	403 041 9405	ELECT 10U M 16V
C1345	403 085 6903	NP-ELECT 47U M 16V
C1348	403 068 9006	CERAMIC 100P K 50V
C1350	403 085 4107	NP-ELECT 10U M 16V
C1351	403 085 4107	NP-ELECT 10U M 16V
C1352	403 041 9405	ELECT 10U M 16V
C1353	403 041 9405	ELECT 10U M 16V
C1355	403 069 0507	CERAMIC 1000P K 50V
C1357	403 041 9405	ELECT 10U M 16V
C1359	403 069 0507	CERAMIC 1000P K 50V
C1361	403 041 9405	ELECT 10U M 16V
C1362	403 041 9405	ELECT 10U M 16V
C1363	403 041 9405	ELECT 10U M 16V
C1364	403 041 9405	ELECT 10U M 16V
C1365	403 041 9405	ELECT 10U M 16V
C1369	403 041 9405	ELECT 10U M 16V
C1370	403 041 9405	ELECT 10U M 16V

Ref.No.	Part No.	Description
C1371	403 041 9405	ELECT 10U M 16V
C1372	403 041 9405	ELECT 10U M 16V
C1384	403 043 9601	ELECT 47U M 16V
C1387	403 043 9601	ELECT 47U M 16V
C1388	403 043 9601	ELECT 47U M 16V
C1389	403 043 9601	ELECT 47U M 16V
C1393	403 049 0800	ELECT 1U M 50V
C1395	403 043 9601	ELECT 47U M 16V
RESISTER		
R13A1	401 026 1000	CARBON 2.7K JA 1/6W
R13A2	401 024 7004	CARBON 1K JA 1/6W
R13A3	401 026 1000	CARBON 2.7K JA 1/6W
R13A4	401 024 7004	CARBON 1K JA 1/6W
R13F7	401 026 4605	CARBON 33K JA 1/6W
R13F8	401 026 4605	CARBON 33K JA 1/6W
R13GG	401 025 4200	CARBON 1.8K JA 1/6W
R13G0	401 026 4209	CARBON 3.3K GA 1/6W
R13G1	401 027 6608	CARBON 75 JA 1/6W
R13G6	401 024 7400	CARBON 10K JA 1/6W
R13G7	401 025 7805	CARBON 2.2K JA 1/6W
R13G8	401 026 9907	CARBON 4.7K JA 1/6W
R13G9	401 024 7301	CARBON 10K GA 1/6W
R13K0	401 024 7400	CARBON 10K JA 1/6W
R13K1	401 022 6801	CARBON 75 JA 1/4W
R13K8	401 026 4308	CARBON 3.3K JA 1/6W
R13K9	401 026 4308	CARBON 3.3K JA 1/6W
R13M1	401 027 3003	CARBON 56K JA 1/6W
R13M2	401 027 2600	CARBON 5.6K JA 1/6W
R13M3	401 027 3003	CARBON 56K JA 1/6W
R13M4	401 012 5708	CARBON 1K JA 1/4W
R13RR	401 027 5205	CARBON 680 JA 1/6W
R13R0	401 026 4209	CARBON 3.3K GA 1/6W
R13R1	401 027 6608	CARBON 75 JA 1/6W
R13R6	401 024 7400	CARBON 10K JA 1/6W
R13R7	401 025 7805	CARBON 2.2K JA 1/6W
R13R8	401 026 9907	CARBON 4.7K JA 1/6W
R13R9	401 024 7301	CARBON 10K GA 1/6W
R13T0	401 024 7004	CARBON 1K JA 1/6W
R13T3	401 027 2303	CARBON 560 JA 1/6W
R13U0	401 026 4209	CARBON 3.3K GA 1/6W
R13U1	401 027 6608	CARBON 75 JA 1/6W
R13U6	401 024 7400	CARBON 10K JA 1/6W
R13U7	401 025 7805	CARBON 2.2K JA 1/6W
R13U8	401 026 9907	CARBON 4.7K JA 1/6W
R13U9	401 024 7301	CARBON 10K GA 1/6W
R13W1	401 024 7400	CARBON 10K JA 1/6W
R13W2	401 026 4308	CARBON 3.3K JA 1/6W
R13W3	401 024 7004	CARBON 1K JA 1/6W
R13W4	401 025 7805	CARBON 2.2K JA 1/6W
R13W5	401 025 4200	CARBON 1.8K JA 1/6W
R13W6	401 024 9305	CARBON 1.2K JA 1/6W
R13W7	401 024 7004	CARBON 1K JA 1/6W
R13X1	401 024 7301	CARBON 10K GA 1/6W
R13X2	401 026 4209	CARBON 3.3K GA 1/6W
R13X3	401 024 7301	CARBON 10K GA 1/6W
R13X4	401 026 4209	CARBON 3.3K GA 1/6W
R13X5	401 024 7301	CARBON 10K GA 1/6W
R13X6	401 026 4209	CARBON 3.3K GA 1/6W
R13Y1	401 024 7400	CARBON 10K JA 1/6W
R13Y2	401 024 7400	CARBON 10K JA 1/6W
R13Y3	401 027 2600	CARBON 5.6K JA 1/6W
R13Y4	401 024 7400	CARBON 10K JA 1/6W
R13Y5	401 024 7004	CARBON 1K JA 1/6W
R13Y6	401 022 6801	CARBON 75 JA 1/4W
R13Y9	401 027 6608	CARBON 75 JA 1/6W
R1301	401 027 6608	CARBON 75 JA 1/6W
R1302	401 024 7707	CARBON 100K JA 1/6W
R1303	401 024 7707	CARBON 100K JA 1/6W
R1304	401 027 6608	CARBON 75 JA 1/6W

Ref. No.	Part No.	Description
R1305	401 027 6608	CARBON 75 JA 1/6W
R1307	401 027 2600	CARBON 5.6K JA 1/6W
R1308	401 027 2600	CARBON 5.6K JA 1/6W
R1309	401 024 7004	CARBON 1K JA 1/6W
R1310	401 024 7400	CARBON 10K JA 1/6W
R1311	401 024 7400	CARBON 10K JA 1/6W
R1312	401 024 7400	CARBON 10K JA 1/6W
R1313	401 024 7400	CARBON 10K JA 1/6W
R1314	401 024 7400	CARBON 10K JA 1/6W
R1315	401 024 7400	CARBON 10K JA 1/6W
R1320	401 026 4605	CARBON 33K JA 1/6W
R1323	401 025 1605	CARBON 1.5K JA 1/6W
R1324	401 026 9907	CARBON 4.7K JA 1/6W
R1325	401 025 1605	CARBON 1.5K JA 1/6W
R1326	401 024 7400	CARBON 10K JA 1/6W
R1327	401 025 8208	CARBON 22K JA 1/6W
R1328	401 024 7004	CARBON 1K JA 1/6W
R1329	401 027 2303	CARBON 560 JA 1/6W
R1330	401 027 2303	CARBON 560 JA 1/6W
R1331	401 021 1906	CARBON 560 JA 1/4W
R1332	401 024 7004	CARBON 1K JA 1/6W
R1337	401 027 5205	CARBON 680 JA 1/6W
R1339	401 018 4903	CARBON 33K JA 1/4W
R1342	401 024 9701	CARBON 12K JA 1/6W
R1343	401 024 9701	CARBON 12K JA 1/6W
R1344	401 025 1605	CARBON 1.5K JA 1/6W
R1345	401 027 3003	CARBON 56K JA 1/6W
R1346	401 024 7004	CARBON 1K JA 1/6W
R1347	401 024 7400	CARBON 10K JA 1/6W
R1348	401 024 7400	CARBON 10K JA 1/6W
R1349	401 025 7805	CARBON 2.2K JA 1/6W
R1351	401 024 7004	CARBON 1K JA 1/6W
R1352	401 024 7004	CARBON 1K JA 1/6W
R1353	401 024 7004	CARBON 1K JA 1/6W
R1354	401 024 7004	CARBON 1K JA 1/6W
R1355	401 024 7004	CARBON 1K JA 1/6W
R1356	401 024 7004	CARBON 1K JA 1/6W
R1358	401 024 7707	CARBON 100K JA 1/6W
R1359	401 024 7004	CARBON 1K JA 1/6W
R1363	401 024 7400	CARBON 10K JA 1/6W
R1364	401 024 7400	CARBON 10K JA 1/6W
R1365	401 024 7004	CARBON 1K JA 1/6W
R1366	401 027 2303	CARBON 560 JA 1/6W
R1367	401 024 7707	CARBON 100K JA 1/6W
R1368	401 024 7400	CARBON 10K JA 1/6W
R1369	401 024 7400	CARBON 10K JA 1/6W
R1370	401 024 7004	CARBON 1K JA 1/6W
R1371	401 027 2303	CARBON 560 JA 1/6W
R1372	401 024 7707	CARBON 100K JA 1/6W
R1373	401 024 7707	CARBON 100K JA 1/6W
R1374	401 024 7707	CARBON 100K JA 1/6W
R1376	401 027 3003	CARBON 56K JA 1/6W
R1377	401 024 7400	CARBON 10K JA 1/6W
R1378	401 027 2303	CARBON 560 JA 1/6W
R1379	401 024 7707	CARBON 100K JA 1/6W
R1380	401 027 2303	CARBON 560 JA 1/6W
R1381	401 024 7707	CARBON 100K JA 1/6W
R1383	401 027 8305	CARBON 820 JA 1/6W
R1384	401 027 2303	CARBON 560 JA 1/6W
R1385	401 026 1307	CARBON 27K JA 1/6W
R1386	401 027 2600	CARBON 5.6K JA 1/6W
R1387	401 024 7004	CARBON 1K JA 1/6W
R1388	401 012 7009	CARBON 10K JA 1/4W
R1390	401 026 9907	CARBON 4.7K JA 1/6W
R1391	401 024 7400	CARBON 10K JA 1/6W
R1392	401 025 4200	CARBON 1.8K JA 1/6W
R1393	401 027 8602	CARBON 8.2K JA 1/6W
R1394	401 024 7004	CARBON 1K JA 1/6W
R1395	401 024 7400	CARBON 10K JA 1/6W
R1396	401 024 7004	CARBON 1K JA 1/6W

Ref.No.	Part No.	Description
R1398	401 024 7004	CARBON 1K JA 1/6W
R1399	401 024 7004	CARBON 1K JA 1/6W
COIL		
L13T1	610 029 5704	PEAKING COIL
	610 029 7500	PEAKING COIL 22UH J
L1304	610 029 6466	PEAKING COIL 8.2UH K
	610 029 8729	PEAKING COIL 8.2UH K
L1306	610 029 6466	PEAKING COIL 8.2UH K
	610 029 8729	PEAKING COIL 8.2UH K
L1312	610 031 3019	PEAKING COIL 10UHK
L1330	610 219 4777	DELAY LINE
DIODE		
D13G1	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D13R1	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D13U1	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D13W1	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D13W2	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D1301	407 075 9905	ZENER DIODE EQA03-11A
D1302	407 048 1608	ZENER DIODE EQA02-05M1
D1303	407 048 1608	ZENER DIODE EQA02-05M1
D1304	407 048 1608	ZENER DIODE EQA02-05M1
D1305	407 048 1608	ZENER DIODE EQA02-05M1
D1306	407 048 1608	ZENER DIODE EQA02-05M1
D1307	407 048 1608	ZENER DIODE EQA02-05M1
D1308	407 048 1608	ZENER DIODE EQA02-05M1
D1309	407 075 9905	ZENER DIODE EQA03-11A
D1345	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D1383	407 048 7501	ZENER DIODE EQA02-12Z
D1395	407 048 3206	ZENER DIODE EQA02-07A
MISCELLANEUS		
K13A	610 209 7368	SPEAKER TERMINAL
	610 219 3657	SPEAKER TERMINAL
	610 009 7681	SPEAKER TERMINAL
K13L0	610 010 2989	RCA JACK 1P
K13L2	610 010 2989	RCA JACK 1P
K13R0	610 010 2972	RCA JACK 1P
K13R2	610 010 3665	RCA JACK 1P
K13S1	610 217 6292	SOCKET 21P
K13S2	610 010 8295	DIN SOCKET
K13TA	610 010 9209	SOCKET 6P
K13TB	610 010 9216	SOCKET 9P
K13V2	610 010 2996	RCA JACK 1P
PB1301	610 223 6828	A/V PCB E2YY X2
	610 225 0169	A/V PCB E2YY-A
SW13A	610 011 2575	SLIDE SWITCH
	610 205 6440	SLIDE SWITCH
SW13B	610 011 2728	LEVER SWITCH

610 231 9170 CRT UNIT E4GE UE2275A

TRANSISTER		
Q661	405 010 9102	TR 2SC1570-F-NP
	405 010 9201	TR 2SC1570-G-NP

Ref. No.	Part No.	Description
Q662	405 042 8807	TR 2SC3789-E-RA
Q671	405 010 9102	TR 2SC1570-F-NP
	405 010 9201	TR 2SC1570-G-NP
Q672	405 042 8807	TR 2SC3789-E-RA
Q681	405 010 9102	TR 2SC1570-F-NP
	405 010 9201	TR 2SC1570-G-NP
Q682	405 042 8807	TR 2SC3789-E-RA
CAPACITOR		
C661	403 069 0507	CERAMIC 1000P K 50V
C662	403 073 6403	CERAMIC 470P K 50V
C671	403 069 0507	CERAMIC 1000P K 50V
C672	403 073 6403	CERAMIC 470P K 50V
C681	403 069 0507	CERAMIC 1000P K 50V
C682	403 073 6403	CERAMIC 470P K 50V
C691	403 041 8804	ELECT 10U M 16V
C692	403 047 3100	ELECT 47U M 25V
C693	403 056 0008	ELECT 4.7U M 250V
C694	403 075 7101	CERAMIC 1000P K 500V
C695	403 077 3101	CERAMIC 0.01U Z 2K
RESISTER		
R661	401 025 7409	CARBON 220 JA 1/6W
R662	401 027 2303	CARBON 560 JA 1/6W
R663	401 024 6700	CARBON 100 JA 1/6W
R664	401 025 4200	CARBON 1.8K JA 1/6W
R665	401 025 4200	CARBON 1.8K JA 1/6W
R666	401 064 9907	OXIDE-MT 10K JA 2W
R667	401 026 4605	CARBON 33K JA 1/6W
R668	401 002 5305	SOLID 470 KA 1/2W
R670	401 024 6700	CARBON 100 JA 1/6W
R671	401 025 7409	CARBON 220 JA 1/6W
R672	401 027 2303	CARBON 560 JA 1/6W
R673	401 024 6700	CARBON 100 JA 1/6W
R674	401 025 4200	CARBON 1.8K JA 1/6W
R675	401 025 4200	CARBON 1.8K JA 1/6W
R676	401 064 9907	OXIDE-MT 10K JA 2W
R677	401 026 4605	CARBON 33K JA 1/6W
R678	401 002 5305	SOLID 470 KA 1/2W
R681	401 025 7409	CARBON 220 JA 1/6W
R682	401 027 2303	CARBON 560 JA 1/6W
R683	401 024 6700	CARBON 100 JA 1/6W
R684	401 025 4200	CARBON 1.8K JA 1/6W
R685	401 025 4200	CARBON 1.8K JA 1/6W
R686	401 064 9907	OXIDE-MT 10K JA 2W
R687	401 026 4605	CARBON 33K JA 1/6W
R688	401 002 5305	SOLID 470 KA 1/2W
R691	401 024 6700	CARBON 100 JA 1/6W
R692	401 025 0004	CARBON 120K JA 1/6W
R693	401 024 7400	CARBON 10K JA 1/6W
R694	401 064 4506	OXIDE-MT 1.2 JA 2W
R698	401 000 1705	SOLID 100 KA 1/2W
R699	401 007 9308	CARBON 150K JA 1/2W
VARIABLE RESISTER		
VR661	610 020 9008	VR
VR662	610 019 0108	VR
VR672	610 019 0108	VR
VR681	610 020 9008	VR
VR682	610 019 0108	VR
COIL		
L661	610 029 6145	PEAKING COIL 220UH K
L662	610 029 6169	PEAKING COIL 27UH K
L671	610 029 6145	PEAKING COIL 220UH K
L672	610 029 6169	PEAKING COIL 27UH K
L681	610 029 6145	PEAKING COIL 220UH K
L682	610 029 6169	PEAKING COIL 27UH K
L691	610 029 5940	PEAKING COIL 100UH K

Ref.No.	Part No.	Description
MISCELLANEUS		
Q662A	610 090 7133	RADIATER-A7JAS
Q662B	411 045 6702	SCR PAN+SW 3X8
Q662C	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
Q662E	610 077 7613	SILICONE G-746
	610 077 7781	SILICON GREASE
Q672A	610 090 7133	RADIATER-A7JAS
Q672B	411 045 6702	SCR PAN+SW 3X8
Q672C	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
Q672E	610 077 7613	SILICONE G-746
	610 077 7781	SILICON GREASE
Q682A	610 090 7133	RADIATER-A7JAS
Q682B	411 045 6702	SCR PAN+SW 3X8
Q682C	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
Q682E	610 077 7613	SILICONE G-746
	610 077 7781	SILICON GREASE
K661	610 207 2464	CRT SOCKET
PB600	610 223 6842	CRT PCB E2YY
	610 223 6859	CRT PCB E2YY-A

610 225 7090 VIDEO UNIT E2YY UE2306

TRANSISTER		
Q1214	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1215	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
Q1216	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1217	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
Q1218	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)

Ref. No.	Part No.	Description
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
Q1219	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
Q1221	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1222	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1241	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
INTEGRATED CIRCUIT		
IC1202	409 004 8706	IC CX20125
IC1203	409 157 7403	IC AN614
CAPACITOR		
C1218	403 049 0008	ELECT 1U M 50V
C1219	403 041 8804	ELECT 10U M 16V
C1221	403 046 9905	ELECT 4.7U M 25V
C1222	403 041 8804	ELECT 10U M 16V
C1223	403 069 8305	CERAMIC 0.01U Z 50V
C1224	403 069 8305	CERAMIC 0.01U Z 50V
C1225	403 069 8305	CERAMIC 0.01U Z 50V
C1226	403 030 5401	CERAMIC 68P J 50V
C1227	403 056 7106	POLYESTER 1000P J 50V
C1228	403 056 7106	POLYESTER 1000P J 50V
C1229	403 043 9106	ELECT 47U M 16V
C1233	403 069 8305	CERAMIC 0.01U Z 50V

Ref.No.	Part No.	Description
C1255	403 042 2405	ELECT 100U M 16V
C1256	403 044 1703	ELECT 470U M 16V
C1261	403 043 9106	ELECT 47U M 16V
RESISTER		
R1220	401 026 4605	CARBON 33K JA 1/6W
R1238	401 027 3003	CARBON 56K JA 1/6W
R1239	401 027 6103	CARBON 680K JA 1/6W
R1240	401 024 7004	CARBON 1K JA 1/6W
R1241	401 024 7004	CARBON 1K JA 1/6W
R1243	401 025 4606	CARBON 18K JA 1/6W
R1245	401 024 9701	CARBON 12K JA 1/6W
R1246	401 027 5502	CARBON 6.8K JA 1/6W
R1247	401 024 7004	CARBON 1K JA 1/6W
R1248	401 024 7400	CARBON 10K JA 1/6W
R1249	401 024 7004	CARBON 1K JA 1/6W
R1251	401 024 9305	CARBON 1.2K JA 1/6W
R1252	401 024 7004	CARBON 1K JA 1/6W
R1253	401 024 7004	CARBON 1K JA 1/6W
R1254	401 027 5205	CARBON 680 JA 1/6W
R1255	401 024 9305	CARBON 1.2K JA 1/6W
R1256	401 025 1605	CARBON 1.5K JA 1/6W
R1257	401 024 7004	CARBON 1K JA 1/6W
R1258	401 044 0108	MT-FILM 18K FA 1/4W
R1259	401 047 7609	MT-FILM 3.9K FA 1/4W
R1261	401 044 0108	MT-FILM 18K FA 1/4W
R1262	401 049 7508	MT-FILM 5.6K FA 1/4W
R1263	401 044 0108	MT-FILM 18K FA 1/4W
R1264	401 048 6809	MT-FILM 4.7K FA 1/4W
R1265	401 024 9305	CARBON 1.2K JA 1/6W
R1266	401 024 7004	CARBON 1K JA 1/6W
R1267	401 024 7004	CARBON 1K JA 1/6W
R1268	401 024 7004	CARBON 1K JA 1/6W
R1271	401 024 9305	CARBON 1.2K JA 1/6W
R1272	401 024 9701	CARBON 12K JA 1/6W
R1273	401 026 3905	CARBON 330 JA 1/6W
R1274	401 025 1605	CARBON 1.5K JA 1/6W
R1275	401 024 6700	CARBON 100 JA 1/6W
R1276	401 026 3905	CARBON 330 JA 1/6W
R1278	401 025 1605	CARBON 1.5K JA 1/6W
R1279	401 026 4605	CARBON 33K JA 1/6W
R1295	401 025 8208	CARBON 22K JA 1/6W
VARIABLE RESISTER		
VR1202	610 019 2881	VR 8CFRB-1K
COIL		
L1205	610 030 1139	DELAY LINE
L1206	610 224 3864	DELAY LINE
L1226	610 029 5988	PEAKING COIL
	610 029 8187	PEAKING COIL 12UH K
L1251	610 029 6022	PEAKING COIL 15UH K
	610 029 8224	PEAKING COIL 15UH K
DIODE		
D1201	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D1202	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D1241	407 048 3206	ZENER DIODE EQA02-07A
MISCELLANEUS		
K12EA	610 225 5355	TERMINAL 6P
	610 225 9384	TERMINAL 6P
K12EB	610 225 5355	TERMINAL 6P
	610 225 9384	TERMINAL 6P
PB1200	610 225 7304	VIDEO PCB-E2YY X6
	610 225 7311	VIDEO PCB-E2YY

Ref. No.	Part No.	Description
610 235 8599 VELOCITY UNIT-E4GE UE2310A		
TRANSISTER		
Q1701	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2309	TR 2SC1815-Y
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
Q1702	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2309	TR 2SC1815-Y
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
Q1703	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2309	TR 2SC1815-Y
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
Q1704	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2309	TR 2SC1815-Y
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
Q1705	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2309	TR 2SC1815-Y
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
Q1706	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2309	TR 2SC1815-Y
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
Q1707	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2309	TR 2SC1815-Y
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
Q1708	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)

Ref.No.	Part No.	Description
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
Q1709	405 001 6103	TR 2SA1011-E-RA
Q1711	405 013 9901	TR 2SC2344-E-RA
CAPACITOR		
C1701	403 058 9900	POLYESTER 0.018U K 50V
	403 059 0500	POLYESTER 0.018U K 50V
C1703	403 069 8305	CERAMIC 0.01U Z 50V
C1704	403 043 9106	ELECT 47U M 16V
C1705	403 057 0403	POLYESTER 0.01U K 50V
	403 057 1004	POLYESTER 0.01U K 50V
C1706	403 042 2405	ELECT 100U M 16V
C1707	403 069 8305	CERAMIC 0.01U Z 50V
C1708	403 026 0809	CERAMIC 47P J 50V
C1711	403 069 8305	CERAMIC 0.01U Z 50V
C1713	403 069 8305	CERAMIC 0.01U Z 50V
C1714	403 070 8400	CERAMIC 1500P K 50V
C1715	403 101 9208	POLYESTER 4700P K 200V
C1716	403 070 8400	CERAMIC 1500P K 50V
C1717	403 061 8105	POLYESTER 4700P K 50V
	403 061 8808	POLYESTER 4700P K 50V
C1718	403 228 6203	ELECT 47U M 160V
C1719	403 055 1006	ELECT 10U M 160V
C1721	403 228 6203	ELECT 47U M 160V
C1722	403 102 9900	ELECT 22U M 160V
RESISTER		
R1702	401 027 5908	CARBON 68K JA 1/6W
R1703	401 025 1902	CARBON 15K JA 1/6W
R1704	402 001 9806	FUSIBLE RES 10 J- 1/2W
R1705	401 024 7004	CARBON 1K JA 1/6W
R1706	401 026 6609	CARBON 390 JA 1/6W
R1707	401 025 1605	CARBON 1.5K JA 1/6W
R1709	401 026 9600	CARBON 470 JA 1/6W
R1710	401 026 9600	CARBON 470 JA 1/6W
R1711	401 027 5205	CARBON 680 JA 1/6W
R1712	401 025 4200	CARBON 1.8K JA 1/6W
R1713	401 025 4200	CARBON 1.8K JA 1/6W
R1714	401 027 3003	CARBON 56K JA 1/6W
R1715	401 026 4605	CARBON 33K JA 1/6W
R1716	401 025 1605	CARBON 1.5K JA 1/6W
R1717	401 026 3905	CARBON 330 JA 1/6W
R1718	401 025 1605	CARBON 1.5K JA 1/6W
R1719	401 024 7004	CARBON 1K JA 1/6W
R1723	401 024 9305	CARBON 1.2K JA 1/6W
R1724	401 026 9303	CARBON 47 JA 1/6W
R1727	401 012 3407	CARBON 10 JA 1/4W
R1728	401 025 8208	CARBON 22K JA 1/6W
R1729	401 008 9901	CARBON 27 JA 1/2W
R1731	401 008 9901	CARBON 27 JA 1/2W
R1732	401 027 2303	CARBON 560 JA 1/6W
R1733	401 027 5908	CARBON 68K JA 1/6W
R1734	401 027 5908	CARBON 68K JA 1/6W
R1735	401 027 2303	CARBON 560 JA 1/6W
R1736	401 024 9701	CARBON 12K JA 1/6W
R1737	401 010 7100	CARBON 56 JB 1/2W
R1738	401 010 7100	CARBON 56 JB 1/2W
R1739	401 011 8908	CARBON 1 JA 1/4W
R1741	401 011 8908	CARBON 1 JA 1/4W
R1742	401 066 6102	OXIDE-MT 220 JA 2W
R1743	402 003 1303	FUSIBLE RES 680 J- 2W
COIL		
L1701	610 029 6244	PEAKING COIL 33UH K
	610 210 3533	PEAKING COIL 33UHK
	610 029 8460	PEAKING COIL 33UH K

Ref. No.	Part No.	Description
L1702	610 029 5926	PEAKING COIL 10UH K
	610 210 3366	PEAKING COIL 10UHK
	610 029 8125	PEAKING COIL 10UH K
L1703	610 078 9340	PIPE CORE
DIODE		
D1704	407 005 4505	DIODE DS442X
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D1705	407 005 9807	DIODE ERA81-004
D1706	407 005 4505	DIODE DS442X
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D1707	407 005 9807	DIODE ERA81-004
MISCELLANEUS		
Q1709A	610 206 0294	PCC RADIATOR-S4LA
	610 090 7140	PCC RADIATER-A7JAS
Q1709B	610 077 7613	SILICONE G-746
	610 077 7781	SILICON GREASE
Q1709C	411 045 6702	SCR PAN+SW 3X8
Q1709D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
Q1709E	610 014 5818	WASHER
Q1711A	610 206 0294	PCC RADIATOR-S4LA
	610 090 7140	PCC RADIATER-A7JAS
Q1711B	610 077 7613	SILICONE G-746
	610 077 7781	SILICON GREASE
Q1711C	411 045 6702	SCR PAN+SW 3X8
Q1711D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
Q1711E	610 014 5818	WASHER
PB1701	610 008 6708	VELOCITY PCB-CLZ
	610 008 6715	VELOCITY PCB-CLZ-A

610 229 8376TELETEXT UNIT E2ZL UE2403

TRANSISTER		
Q1015	405 002 6706	TR 2SA1179-M6-TA
Q1031	405 015 8704	TR 2SC2812-L6-TA
Q1032	405 015 8704	TR 2SC2812-L6-TA
Q1033	405 015 8704	TR 2SC2812-L6-TA
Q1034	405 015 8704	TR 2SC2812-L6-TA
Q1052	405 015 8704	TR 2SC2812-L6-TA
Q1090	405 013 6801	TR 2SC2274-E
	405 013 7006	TR 2SC2274-F
NTEGRATED CIRCUIT		
IC1011	409 107 8108	IC SAA5231
	410 117 5100	IC SAA5231/V7
IC1031	410 051 0506	IC SAA5243P/E-M2
	410 109 6603	IC SAA5243P/E-M3
IC1032	409 185 0506	IC HM6264AP-15
	409 012 7708	IC HM6264P-15
	409 166 7302	IC LC3564P-15
	409 143 1705	IC LC3564PL-15
	409 120 4101	IC LC3664N-10
	409 089 6000	IC LC3664N-12
	409 163 1501	IC LC3664N-85
	409 120 4200	IC LC3664NL-10
	409 089 6109	IC LC3664NL-12
	409 163 1402	IC LC3664NL-85
	409 073 4906	IC TC5565PL-15
	409 162 7504	IC TMM2064AP-10

Ref.No.	Part No.	Description
	409 162 7405	IC TMM2064AP-12
	409 054 3706	IC TMM2064P-10
	409 138 7705	IC UPD4364C-15
IC1051	410 039 5905	IC MAB8461PW115
IC1052	409 258 8309	IC 85C72/P
	410 019 6403	IC PCD8572P
IC1053	409 185 0100	IC MC14006B
	409 184 9906	IC MN4006B
	409 050 7906	IC TC4006BP
	409 184 8909	IC UPD4006BC
	410 067 3102	IC HEF4006B
IC1054	409 065 9407	IC MC14011BF-R
	409 207 4505	IC MLC4011BMTP-T1
IC1055	409 020 6809	IC LC4001BM-TP-T1
	409 223 1106	IC MC14001BF-R
	409 207 4406	IC MLC4001BMTP-T1

CAPACITOR					
C1011	403 069 9609	CERAMIC	0.01U	Z	50V
C1012	403 043 9106	ELECT	47U	M	16V
C1013	403 020 0706	CERAMIC	27P	J	50V
C1014	403 012 7409	CERAMIC	15P	J	50V
C1015	403 041 8804	ELECT	10U	M	16V
C1016	403 009 6101	CERAMIC	100P	J	50V
C1017	403 072 5100	CERAMIC	270P	K	50V
C1018	403 072 1706	CERAMIC	0.022U	K	50V
C1019	403 073 7400	CERAMIC	470P	K	50V
C1021	403 069 1801	CERAMIC	1000P	K	50V
C1022	403 012 7409	CERAMIC	15P	J	50V
C1023	403 075 2205	CERAMIC	0.068U	K	50V
C1024	403 071 6603	CERAMIC	220P	K	50V
C1025	403 086 5400	NP-ELECT	2.2U	M	50V
C1026	403 074 1902	CERAMIC	0.047U	K	50V
C1027	403 043 9106	ELECT	47U	M	16V
C1028	403 074 1902	CERAMIC	0.047U	K	50V
C1029	403 074 1902	CERAMIC	0.047U	K	50V
C1030	403 069 9609	CERAMIC	0.01U	Z	50V
C1032	403 041 8804	ELECT	10U	M	16V
C1033	403 041 8804	ELECT	10U	M	16V
C1034	403 041 8804	ELECT	10U	M	16V
C1035	403 070 2705	CERAMIC	0.1U	Z	50V
C1040	403 043 9106	ELECT	47U	M	16V
C1046	403 043 9106	ELECT	47U	M	16V
C1051	403 022 8809	CERAMIC	33P	J	50V
C1052	403 022 8809	CERAMIC	33P	J	50V
C1053	403 069 9609	CERAMIC	0.01U	Z	50V
C1054	403 043 9106	ELECT	47U	M	16V
C1056	403 069 9609	CERAMIC	0.01U	Z	50V
C1061	403 071 8201	CERAMIC	2200P	K	50V
C1090	403 040 3701	ELECT	220U	M	10V

RESISTER					
R1011	401 035 4603	MT-GLAZE	100	JA	1/8W
R1012	401 035 6805	MT-GLAZE	1.2K	JA	1/8W
R1013	401 035 6805	MT-GLAZE	1.2K	JA	1/8W
R1014	401 036 2707	MT-GLAZE	270	JA	1/8W
R1015	401 036 5104	MT-GLAZE	33K	JA	1/8W
R1016	401 037 3406	MT-GLAZE	82	JA	1/8W
R1017	401 036 4800	MT-GLAZE	3.3K	JA	1/8W
R1018	401 037 2300	MT-GLAZE	68K	JA	1/8W
R1021	401 036 9904	MT-GLAZE	560	JA	1/8W
R1022	401 035 6805	MT-GLAZE	1.2K	JA	1/8W
R1023	401 035 6805	MT-GLAZE	1.2K	JA	1/8W
R1024	401 035 6805	MT-GLAZE	1.2K	JA	1/8W
R1031	401 036 6507	MT-GLAZE	3.9K	JA	1/8W
R1032	401 036 4800	MT-GLAZE	3.3K	JA	1/8W
R1034	401 035 6805	MT-GLAZE	1.2K	JA	1/8W
R1035	401 035 9301	MT-GLAZE	1.8K	JA	1/8W
R1036	401 035 4900	MT-GLAZE	1K	JA	1/8W
R1037	401 035 6805	MT-GLAZE	1.2K	JA	1/8W

Ref. No.	Part No.	Description
R1038	401 035 9301	MT-GLAZE 1.8K JA 1/8W
R1039	401 035 4900	MT-GLAZE 1K JA 1/8W
R1040	401 035 6805	MT-GLAZE 1.2K JA 1/8W
R1041	401 035 9301	MT-GLAZE 1.8K JA 1/8W
R1042	401 035 4900	MT-GLAZE 1K JA 1/8W
R1054	401 036 9904	MT-GLAZE 560 JA 1/8W
R1055	401 036 8303	MT-GLAZE 4.7K JA 1/8W
R1056	401 035 9301	MT-GLAZE 1.8K JA 1/8W
R1057	401 036 8105	MT-GLAZE 470 JA 1/8W
R1058	401 036 8105	MT-GLAZE 470 JA 1/8W
R1059	401 035 5709	MT-GLAZE 1M JA 1/8W
R1061	401 036 8105	MT-GLAZE 470 JA 1/8W
R1062	401 035 5204	MT-GLAZE 10K JA 1/8W
R1063	401 036 8303	MT-GLAZE 4.7K JA 1/8W
R1064	401 036 8303	MT-GLAZE 4.7K JA 1/8W
R1066	401 035 5204	MT-GLAZE 10K JA 1/8W
R1067	401 035 5402	MT-GLAZE 100K JA 1/8W
R1068	401 036 1700	MT-GLAZE 22K JA 1/8W
R1069	401 035 5204	MT-GLAZE 10K JA 1/8W
R1090	401 035 4900	MT-GLAZE 1K JA 1/8W
R1091	401 036 2806	MT-GLAZE 2.7K JA 1/8W
TRANSFORMER		
T1011	610 037 7547	S TRANS
COIL		
L1011	610 029 5346	PEAKING COIL
L1012	610 029 5476	PEAKING COIL 4.7UHK
L1031	610 029 5384	PEAKING COIL 2.2UHK
L1051	610 029 5476	PEAKING COIL 4.7UHK
DIODE		
D1011	407 004 8009	DIODE DSB015-TA
D1015	407 004 8009	DIODE DSB015-TA
D1016	407 004 8009	DIODE DSB015-TA
D1053	407 071 5109	ZENER DIODE DZD3.6Z-TA
MISCELLANEUS		
J1003	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1005	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1007	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1008	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1011	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1012	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1014	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1015	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1016	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1019	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1021	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1022	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1023	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1024	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1025	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1026	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1027	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1028	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1029	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1031	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1032	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1033	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1034	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1035	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1036	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1037	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1039	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1040	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1041	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1042	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1043	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1044	401 035 4108	MT-GLAZE 0.000 ZA 1/8W

Ref.No.	Part No.	Description
J1045	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1050	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1051	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1052	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1053	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1054	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1055	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1058	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1059	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1061	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1062	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1063	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1064	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1065	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1066	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1067	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
J1088	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
K10TA	610 010 9223	PLUG 6P
K10TB	610 010 9230	PLUG 9P
PB1001	610 228 9527	TELETEXT PCB-E2ZZ X4
	610 228 9534	TELETEXT PCB-E2ZZ
X1011	610 012 1706	CRYSTAL OSCILLATOR
	610 211 4218	CRYSTAL OSCILLATOR
	610 211 6458	CRYSTAL OSCILLATOR
X1051	610 012 0563	CERAMIC OSCILLATOR
	610 224 6346	CERAMIC OSCILLATOR KBR-6.

610 235 8643 NICAM UNIT E4GDUE2508B

TRANSISTER		
Q19A1	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q19A2	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1961	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP

Ref. No.	Part No.	Description
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1962	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
INTEGRATED CIRCUIT		
IC19A1	409 132 7909	IC MC14053BCP
	409 051 3006	IC TC4053BP
	409 059 2407	IC UPD4053BC
IC1910	409 161 5204	IC TA8662N
IC1940	409 089 6109	IC LC3664NL-12
	409 231 4403	IC UM6264-12
IC1941	409 161 5303	IC TC6011N
IC1950	409 163 2102	IC TD6710AN
IC1970	409 018 5203	IC LA6462D
IC1971	409 018 5401	IC LA6462S
IC1972	409 018 5401	IC LA6462S
CAPACITOR		
C1901	403 042 2405	ELECT 100U M 16V
C1902	403 069 8305	CERAMIC 0.01U Z 50V
C1903	403 069 8305	CERAMIC 0.01U Z 50V
C1904	403 042 2405	ELECT 100U M 16V
C1906	403 039 6508	ELECT 100U M 10V
C1910	403 048 6308	ELECT 0.47U M 50V
C1911	403 048 6308	ELECT 0.47U M 50V
C1912	403 069 8305	CERAMIC 0.01U Z 50V
C1913	403 014 0200	CERAMIC 18P J 50V
C1914	403 014 0408	CERAMIC 18P J 50V
C1915	403 028 2009	CERAMIC 56P J 50V
C1916	403 069 8305	CERAMIC 0.01U Z 50V
C1917	403 048 6308	ELECT 0.47U M 50V
C1918	403 069 8305	CERAMIC 0.01U Z 50V
C1919	403 069 8305	CERAMIC 0.01U Z 50V
C1920	403 067 5603	MT-COMPO 0.1U J 50V
C1921	403 067 5603	MT-COMPO 0.1U J 50V
C1922	403 069 8305	CERAMIC 0.01U Z 50V
C1923	403 039 6508	ELECT 100U M 10V
C1924	403 012 4309	CERAMIC 15P J 50V
C1925	403 012 4309	CERAMIC 15P J 50V
C1926	403 014 0408	CERAMIC 18P J 50V
C1927	403 028 2009	CERAMIC 56P J 50V
C1928	403 048 6308	ELECT 0.47U M 50V
C1929	403 069 8305	CERAMIC 0.01U Z 50V
C1930	403 069 8305	CERAMIC 0.01U Z 50V
C1931	403 067 5603	MT-COMPO 0.1U J 50V
C1932	403 067 5603	MT-COMPO 0.1U J 50V
C1933	403 009 3001	CERAMIC 100P J 50V
C1934	403 009 3001	CERAMIC 100P J 50V
C1938	403 069 8305	CERAMIC 0.01U Z 50V
C1939	403 012 4309	CERAMIC 15P J 50V
C1940	403 043 3906	ELECT 33U M 16V
C1941	403 069 8305	CERAMIC 0.01U Z 50V
C1943	403 043 3906	ELECT 33U M 16V
C1944	403 041 8804	ELECT 10U M 16V
C1945	403 024 0009	CERAMIC 39P J 50V
C1950	403 050 6600	ELECT 3.3U M 50V
C1951	403 062 8401	POLYESTER 680P K 50V

Ref.No.	Part No.	Description
C1952	403 041 2109	ELECT 47U M 10V
C1953	403 057 5903	POLYESTER 1200P K 50V
	403 057 6405	POLYESTER 1200P K 50V
C1954	403 040 3701	ELECT 220U M 10V
C1955	403 057 5903	POLYESTER 1200P K 50V
	403 057 6405	POLYESTER 1200P K 50V
C1956	403 039 6508	ELECT 100U M 10V
C1957	403 041 2109	ELECT 47U M 10V
C1958	403 050 6600	ELECT 3.3U M 50V
C1959	403 062 8401	POLYESTER 680P K 50V
C1960	403 069 8305	CERAMIC 0.01U Z 50V
C1961	403 041 2109	ELECT 47U M 10V
C1962	403 017 7404	CERAMIC 22P J 50V
C1963	403 017 7404	CERAMIC 22P J 50V
C1964	403 069 8305	CERAMIC 0.01U Z 50V
C1965	403 040 9406	ELECT 330U M 10V
C1970	403 042 2405	ELECT 100U M 16V
C1971	403 063 1203	POLYESTER 0.068U J 50V
	403 063 1906	POLYESTER 0.068U J 50V
C1972	403 041 8804	ELECT 10U M 16V
C1973	403 062 4403	POLYESTER 5600P J 50V
	403 062 4908	POLYESTER 5600P J 50V
C1974	403 020 4803	CERAMIC 270P J 50V
C1975	403 060 1503	POLYESTER 0.027U J 50V
	403 060 2104	POLYESTER 0.027U J 50V
C1976	403 050 6600	ELECT 3.3U M 50V
C1977	403 050 6600	ELECT 3.3U M 50V
C1978	403 060 1503	POLYESTER 0.027U J 50V
	403 060 2104	POLYESTER 0.027U J 50V
C1979	403 020 4803	CERAMIC 270P J 50V
C1980	403 062 4403	POLYESTER 5600P J 50V
	403 062 4908	POLYESTER 5600P J 50V
C1981	403 041 8804	ELECT 10U M 16V
C1982	403 063 1203	POLYESTER 0.068U J 50V
	403 063 1906	POLYESTER 0.068U J 50V
C1983	403 056 9506	POLYESTER 0.01U J 50V
	403 057 0205	POLYESTER 0.01U J 50V
C1984	403 056 9506	POLYESTER 0.01U J 50V
	403 057 0205	POLYESTER 0.01U J 50V
C1985	403 043 9106	ELECT 47U M 16V
C1990	403 069 8305	CERAMIC 0.01U Z 50V
C1991	403 042 2405	ELECT 100U M 16V
RESISTER		
R19A1	401 025 8208	CARBON 22K JA 1/6W
R19A2	401 024 7400	CARBON 10K JA 1/6W
R19A4	401 024 7400	CARBON 10K JA 1/6W
R19A5	401 025 8208	CARBON 22K JA 1/6W
R19A6	401 025 8208	CARBON 22K JA 1/6W
R19F1	401 027 3003	CARBON 56K JA 1/6W
R19F2	401 027 0309	CARBON 47K JA 1/6W
R19H5	401 027 8107	CARBON 82 JA 1/6W
R1901	402 038 2306	FUSIBLE RES 27 J- 1/2W
R1905	401 027 0309	CARBON 47K JA 1/6W
R1906	401 027 0309	CARBON 47K JA 1/6W
R1920	401 025 2305	CARBON 150K JA 1/6W
R1921	401 025 8703	CARBON 220K JA 1/6W
R1922	401 026 9600	CARBON 470 JA 1/6W
R1923	401 027 1306	CARBON 510 JA 1/6W
R1924	401 024 7004	CARBON 1K JA 1/6W
R1925	401 026 7408	CARBON 39K JA 1/6W
R1926	401 024 7004	CARBON 1K JA 1/6W
R1927	401 026 9600	CARBON 470 JA 1/6W
R1928	401 026 7408	CARBON 39K JA 1/6W
R1935	401 027 3003	CARBON 56K JA 1/6W
R1936	401 027 0309	CARBON 47K JA 1/6W
R1937	401 027 3003	CARBON 56K JA 1/6W
R1938	401 027 0309	CARBON 47K JA 1/6W
R1940	401 027 0309	CARBON 47K JA 1/6W
R1941	401 027 0309	CARBON 47K JA 1/6W

Ref. No.	Part No.	Description
R1942	401 027 0309	CARBON 47K JA 1/6W
R1943	401 027 0309	CARBON 47K JA 1/6W
R1944	401 027 0309	CARBON 47K JA 1/6W
R1945	401 027 0309	CARBON 47K JA 1/6W
R1946	401 024 7004	CARBON 1K JA 1/6W
R1948	401 027 0309	CARBON 47K JA 1/6W
R1949	401 027 0309	CARBON 47K JA 1/6W
R1950	401 026 4605	CARBON 33K JA 1/6W
R1951	401 027 5908	CARBON 68K JA 1/6W
R1952	401 026 4605	CARBON 33K JA 1/6W
R1953	401 026 9907	CARBON 4.7K JA 1/6W
R1961	401 027 0309	CARBON 47K JA 1/6W
R1962	401 026 9907	CARBON 4.7K JA 1/6W
R1963	401 026 9907	CARBON 4.7K JA 1/6W
R1964	401 027 0309	CARBON 47K JA 1/6W
R1965	401 024 7400	CARBON 10K JA 1/6W
R1970	401 027 3003	CARBON 56K JA 1/6W
R1971	401 027 1306	CARBON 510 JA 1/6W
R1972	401 026 7002	CARBON 3.9K JA 1/6W
R1973	401 025 7805	CARBON 2.2K JA 1/6W
R1974	401 026 1000	CARBON 2.7K JA 1/6W
R1975	401 024 7400	CARBON 10K JA 1/6W
R1976	401 027 8305	CARBON 820 JA 1/6W
R1977	401 026 4308	CARBON 3.3K JA 1/6W
R1978	401 026 4308	CARBON 3.3K JA 1/6W
R1979	401 026 4308	CARBON 3.3K JA 1/6W
R1980	401 026 4308	CARBON 3.3K JA 1/6W
R1981	401 024 7400	CARBON 10K JA 1/6W
R1982	401 026 1000	CARBON 2.7K JA 1/6W
R1983	401 027 8305	CARBON 820 JA 1/6W
R1984	401 027 3003	CARBON 56K JA 1/6W
R1985	401 027 1306	CARBON 510 JA 1/6W
R1986	401 025 7805	CARBON 2.2K JA 1/6W
R1987	401 026 7002	CARBON 3.9K JA 1/6W
R1988	401 024 7400	CARBON 10K JA 1/6W
R1989	401 024 7400	CARBON 10K JA 1/6W
R1998	401 027 8602	CARBON 8.2K JA 1/6W
R1999	401 027 8602	CARBON 8.2K JA 1/6W
VARIABLE RESISTER		
VC1910	610 003 0374	TRIMMER CONDENSER
COIL		
L1901	610 031 3019	PEAKING COIL 10UHK
	610 210 3731	PEAKING COIL 10UHK
	610 031 4986	PEAKING COIL 10UH K
L1902	610 031 3019	PEAKING COIL 10UHK
	610 210 3731	PEAKING COIL 10UHK
	610 031 4986	PEAKING COIL 10UH K
L1920	610 029 6084	PEAKING COIL 180UH K
	610 210 3441	PEAKING COIL 180UHK
	610 029 8286	PEAKING COIL 180UH K
L1921	610 029 6503	PEAKING COIL
	610 029 8767	PEAKING COIL 820UH K
L1922	610 029 6503	PEAKING COIL
	610 029 8767	PEAKING COIL 820UH K
L1930	610 208 6072	S BLOCK
L1961	610 029 6084	PEAKING COIL 180UH K
	610 210 3441	PEAKING COIL 180UHK
	610 029 8286	PEAKING COIL 180UH K
L1970	409 163 4205	IC HAF1154
L1971	409 163 4205	IC HAF1154
DIODE		
D1901	407 048 5606	ZENER DIODE EQA02-10A
	407 048 5804	ZENER DIODE EQA02-10B
D1945	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176

Ref.No.	Part No.	Description
D1961	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D1962	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D1963	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D1964	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
MISCELLANEUS		
TP1901	610 092 0484	EARTH TERMINAL
TP1902	610 092 0484	EARTH TERMINAL
PB1901	610 235 6625	NICAM PCB-E2ZH X2
	610 235 9534	NICAM PCB-E2ZH
X1910	610 208 6034	CRYSTAL OSCILLATOR
X1920	610 208 6041	CRYSTAL OSCILLATOR
X1960	610 208 6065	CERAMIC OSCILLATOR

OUT OF CIRCUIT BOARD

PICTURE TUBE		
⚠Q901	414 007 0602	CRT A76JZH90X(ZX)
COIL		
⚠L901	610 232 1753	DEGAUSSING COIL
⚠L902	610 232 5775	DEFLECTION YOKE
L902A1	610 116 5075	DY SPACER-B2ME
	610 117 0154	DY SPACER-D4AK
L902A2	610 116 5075	DY SPACER-B2ME
	610 117 0154	DY SPACER-D4AK
L902A3	610 116 5075	DY SPACER-B2ME
	610 117 0154	DY SPACER-D4AK
L902A4	610 116 5075	DY SPACER-B2ME
	610 117 0154	DY SPACER-D4AK
MISCELLANEUS		
A901	610 215 5174	CG PURITY MAGNET
A902	610 237 2281	ANTENNA TERMINAL
KF0P	610 155 9720	LEAD HOLDER-SMA
K6Q	610 013 9565	MINI CONNECTOR 4P-SOCKET
SP901	610 219 2667	SPEAKER
SP902	610 219 2667	SPEAKER
SP905	610 226 6856	SPEAKER
SP906	610 226 6856	SPEAKER
⚠W901	610 011 7969	AC CORD
W902	610 024 2401	GROUNDING CONNECTOR-CJZ
W902A	610 079 4085	GROUNDING SPRING-F
W902B	610 079 4085	GROUNDING SPRING-F

A14800 Aug.`91/500 SI

SANYO Electric Co., Ltd.
Printed in Japan

SYSTEM	PIN NO.					
	11	12	13	14	15	16
AUTO P/S	L	H	H	L	H	L
PAL	L	H	H	L	L	L
SECAM	L	H	H	L	H	H
NTSC 4.43	L	H	H	H	L	L
NTSC	H	H	L	H	L	L
PAL-I	H	L	H	L	L	L

BAND	PIN10	PIN9
VL	L	L
VH	H	L
UHF	L	H

Q715	VOLT.
B	4.8V
C	−0.7V
E	5V

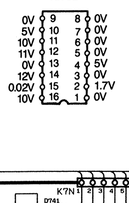
Q716	VOLT.
B	5V
C	0V
E	5V

Q717	VOLT.
B	5V
C	5V
E	4V

Q701	VOLT.
B	5.5V
C	16V
E	5V

Q711	VOLT.
B	0V
C	5V
E	0V

IC702



Q721	VOLT.
B	4V
C	4.8V
E	4.8V

Q741	VOLT.
B	0.03V
C	5V
E	0V

Q742	VOLT.
B	0.68V
C	0V
E	0V

Q731	VOLT.
B	0.66V
C	0.04V
E	0V

Q732	VOLT.
B	0.54V
C	2V
E	0V

Q733	VOLT.
B	0.6V
C	1.8V
E	0V

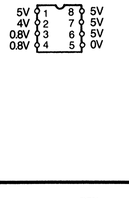
Q735	VOLT.
B	5V
C	12V
E	4V

Q736	VOLT.
B	0.68V
C	0V
E	0V

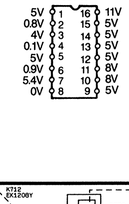
Q737	VOLT.
B	4V
C	0V
E	5V

Q738	VOLT.
B	0.05V
C	9.6V
E	0V

IC721



IC741



Q662	VOLT	WAVEFORM
B	16V	
C	170V	114Vp-p HORIZ
E	15.5V	

Q661	VOLT	WAVEFORM
B	7V	25Vp-p HORIZ
C	15V	
E	7V	

Q672	VOLT	WAVEFORM
B	16V	
C	170V	114Vp-p HORIZ
E	15.5V	

Q671	VOLT	WAVEFORM
B	7V	25Vp-p HORIZ
C	15.5V	
E	7V	

Q682	VOLT	WAVEFORM
B	16V	
C	160V	114Vp-p HORIZ
E	15.5V	

Q681	VOLT	WAVEFORM
B	7V	27Vp-p HORIZ
C	15.5V	
E	7V	

Q241	VOLT	WAVEFORM
B	4.6V	8.5Vp-p HORIZ
C	1.2V	
E	5.3V	

Q192	VOLT.
B	6V
C	12V
E	5.2V

Q191	VOLT.
B	6V
C	12V
E	5.2V

Q182	VOLT.
B	0.14V
C	11V
E	0V

Q181	VOLT.
B	0.6V
C	0.14V
E	0.05V

Q314	VOLT.
B	8V
C	−1V
E	9V

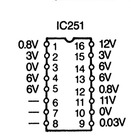
Q312	VOLT	WAVEFORM
B	−1V	1Vp-p
C	−0.6V	1.5Vp-p
E	0V	

Q313	VOLT	WAVEFORM
B	−0.6V	5Vp-p
C	280V	560Vp-p
E	0V	

Q315	VOLT.
B	−1V
C	−0.7V
E	0V

Q361	VOLT.
B	0V
C	5V
E	0V

IC251



Q256	VOLT.
B	0.02V
C	0V
E	0V

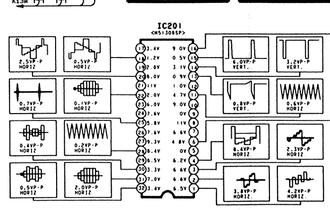
Q275	VOLT.
B	6V
C	12V
E	5V

Q121	VOLT.
B	1.6V
C	12V
E	1V

Q261	VOLT.
B	0.03V
C	11V
E	0V

TP-J

IC20!

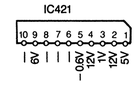


Q411	VOLT.
B	0.05V
C	0V
E	0V

Q481	VOLT.
B	15V
C	−0.03V
E	15V

Q482	VOLT.
B	0.5V
C	15V
E	0V

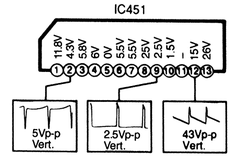
IC421



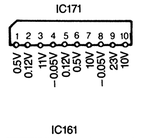
Q431	VOLT	WAVEFORM
B	0.04V	2Vp-p HORIZ
C	15V	60Vp-p HORIZ
E	0V	

Q432	VOLT	WAVEFORM
B	−0.05V	1.5Vp-p HORIZ
C	80V	1200Vp-p HORIZ
E	0.04V	1.5Vp-p HORIZ

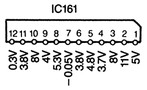
IC451



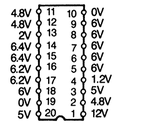
IC171



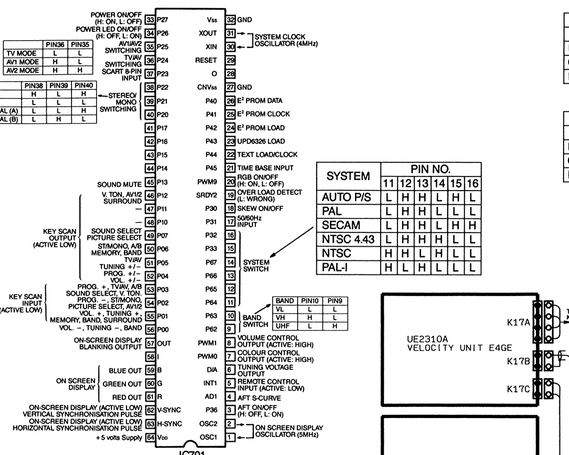
IC161



IC151



IC701



TV MODE	PIN36	PIN35
	L	L
AV1 MODE	H	L
AV2 MODE	H	H

MODE	PIN38	PIN39	PIN40
MONO	H	L	H
STEREO	L	L	L
BILINGUAL (A)	L	L	H
BILINGUAL (B)	L	H	L

STEREO/MONO SWITCHING

UE2310A VELOCITY UNIT E4GE

UE2403 TELETEXT UNIT E2ZL

UE2273B A/V UNIT E4GE

UE2275A CRT UNIT E4GE

UE2272F CONTROL UNIT E4GD

UE2306 VIDEO UNIT E2YY

UE2271F MAIN UNIT E4GD

SERVICE PRECAUTION:
THE AREA ENCLOSED BY THIS LINE ⚠ IS DIRECTLY CONNECTED WITH AC MAINS VOLTAGE. WHEN SERVICING THE AREA, CONNECT AN ISOLATING TRANSFORMER BETWEEN TV RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.

SANYO

COLOUR TELEVISION

A4-A CHASSIS SERIES

SERVICE REF. NO. CBP3310N-00

Part No. 4AA6P200357-- E4GD1

PRODUCT SAFETY NOTICE

PRODUCT SAFETY SHOULD BE CONSIDERED WHEN A COMPONENT REPLACEMENT IS MADE IN ANY AREA OF A RECEIVER COMPONENTS INDICATED BY A MARK ⚠. IN THIS CIRCUIT DIAGRAM SHOW COMPONENTS WHOSE VALUE HAVE SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. IT IS PARTICULARLY RECOMMENDED THAT ONLY PARTS SPECIFIED ON THE PARTS LIST OF SERVICE MANUAL BE USED FOR COMPONENTS REPLACEMENT POINTED OUT BY THE MARK.

CIRCUIT DIAGRAM NOTES:

1. ALL RESISTANCE VALUES ARE IN OHMS, K = 1,000, M = 1,000,000.
2. ALL RESISTANCE RATED WATTAGES ARE 1/4W UNLESS OTHERWISE NOTED.
3. EXCEPTING ELECTROLYTIC CAPACITORS, ALL CAPACITANCE VALUES OF LESS THAN 1 ARE EXPRESSED IN uF, AND MORE THAN 1 ARE IN PF. ELECTROLYTIC CAPACITANCE VALUES ARE IN uF.
4. ALL CAPACITANCE RATED VOLTAGES ARE 50V UNLESS OTHERWISE NOTED.
5. ALL INDUCTANCE VALUES ARE IN uH.
6. VOLTAGE READINGS TAKEN WITH A "VTVM" ARE FROM POINT INDICATED TO CHASSIS GROUND. VOLTAGE READINGS TAKEN BY USING A COLOUR BAR SIGNAL ARE WITH ALL CONTROLS AT NORMAL AND AFC SWITCH IN "OFF" POSITION. SOME VOLTAGES MAY VARY WITH SIGNAL STRENGTH.
7. WAVEFORMS WERE TAKEN WITH COLOUR BAR SIGNAL AND CONTROLS ADJUSTED FOR NORMAL PICTURE. WAVEFORMS WERE TAKEN BY USING A WIDE BAND OSCILLOSCOPE AND A LOW CAPACITY PROBE.
8. VOLTAGE AND WAVEFORM VALUES OF TRANSISTORS IN THE AREA ENCLOSED BY LINE (- - -) ARE MEASURED TO BASE THE ELECTRIC POTENTIAL AT PIN 3 OF T311.
9. THIS CIRCUIT DIAGRAM COVERS A BASIC OR REPRESENTATIVE CHASSIS ONLY. THERE MAY BE SOME COMPONENTS OR PARTIAL CIRCUIT DIFFERENCES BETWEEN THE ACTUAL CHASSIS AND THE CIRCUIT DIAGRAM.
10. EXPRESSION OF CAPACITANCE AND RESISTANCE IN CIRCUIT DIAGRAM.

CAPACITANCE (Example)

1000 C M 2200 D

- Characteristic
- Capacitance value (2200pF)
- Allowable error (±20%)
- Kind (Ceramic)
- Rated voltage (1000V)

J . . . . . ±5%
K . . . . . ±10%
M . . . . . ±20%
C . . . . . Electrolytic
CK, B . . . . Ceramic
F . . . . . Mylar film
M, N . . . . Polypropylene
Z . . . . . Metalized paper

RESISTANCE (Example)

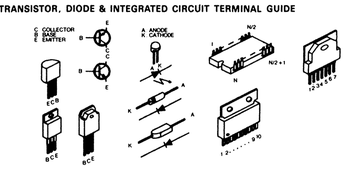
1/2 N J 1/2

- Resistance value (1.2Ω)
- Allowable error (±5%)
- Kind (Metalized carbon)
- Rated Wattage (1/2W)

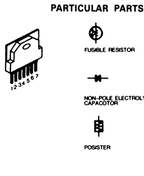
D . . . . . Carbon
N . . . . . Metalized carbon
S . . . . . Oxide metalized
W . . . . . Wire wounding
C . . . . . Solid

11. DIODE IS1555 MAY BE REPLACED WITH IS2473, IS2076 OR DS442 UNLESS OTHERWISE NOTED.
TRANSISTOR 2SC536 (E, F, G) MAY BE REPLACED WITH 2SC1740S (Q, R, S), 2SC1740 (Q, R, S), 2SC945A (Q, R, P) OR 2SC1815 (G, O, Y) UNLESS OTHERWISE NOTED.
TRANSISTOR 2SA608 (E, F) MAY BE REPLACED WITH 2SA933 (Q, R), 2SA564 (QA, RA) OR 2SA1015 (O, Y) UNLESS OTHERWISE NOTED.

TRANSISTOR, DIODE & INTEGRATED CIRCUIT TERMINAL GUIDE



PARTICULAR PARTS SYMBOL



Q13F7	VOLT.
B	−0.1V
C	0.01V
E	0.01V

Q13F8	VOLT.
B	−0.2V
C	0.01V
E	0.01V

Q13M1	VOLT.
B	−0.1V
C	0.01V
E	0.01V

Q13R8	VOLT.
B	0.03V
C	0V
E	0.7V

Q13G8	VOLT.
B	0.03V
C	0V
E	0.7V

Q13U8	VOLT.
B	0.03V
C	0V
E	0.7V

Q1324	VOLT.
B	0.07V
C	0.03V
E	0V

Q1309	VOLT.
B	6V
C	12V
E	5V

Q1328	VOLT.
B	8V
C	12V
E	7V

Q1365	VOLT.
B	6V
C	12V
E	5V

Q1370	VOLT.
B	6V
C	12V
E	5V

Q1032	VOLT.
B	0.3V
C	4.6V
E	0.1V

Q1033	VOLT.
B	0V
C	4.6V
E	0V

Q1034	VOLT.
B	0.2V
C	4.6V
E	0.2V

Q1031	VOLT.
B	2.6V
C	4.6V
E	2V

NOTE: VOLTAGE RATING IN DECODER UNIT TAKEN USING TELETEXT SIGNAL.

Q1377	VOLT.
B	0.6V
C	0V
E	0V

Q1346	VOLT.
B	0.6V
C	0V
E	0V

Q13G9	VOLT.
B	6V
C	0V
E	7V

Q13R9	VOLT.
B	7V
C	0V
E	7V

Q13T2	VOLT.
B	6V
C	0V
E	6V

Q1331	VOLT.
B	7V
C	12V
E	6V

Q1344	VOLT.
B	6V
C	12V
E	5V

Q1345	VOLT.
B	2V
C	0V
E	3V

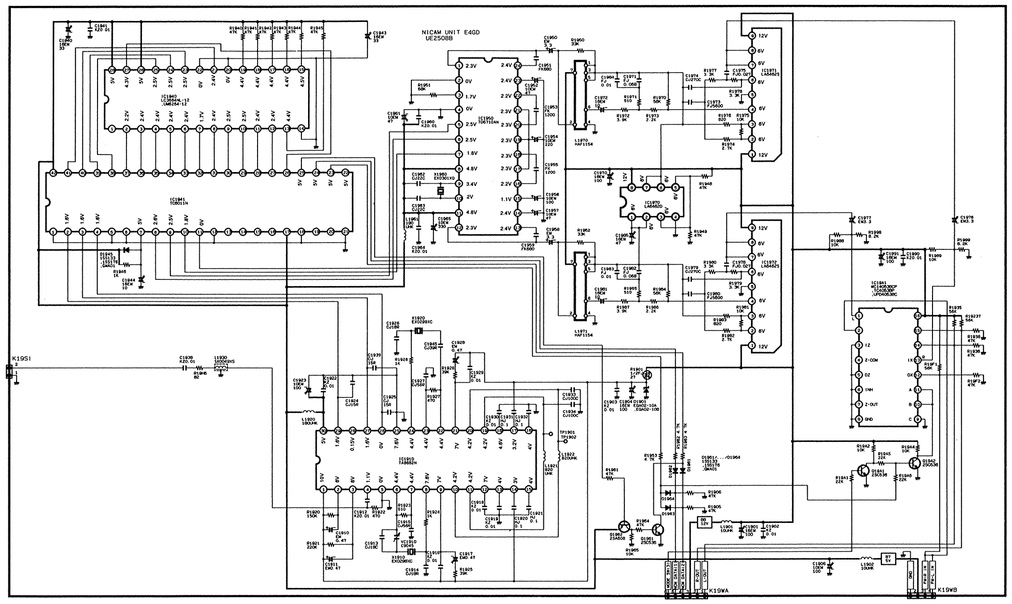
Q1391	VOLT.
B	6V
C	7V
E	5V

Q1392	VOLT.
B	7V
C	8V
E	8V

Q13U9	VOLT.
B	6V
C	0V
E	7V

Q1385	VOLT.
B	6V
C	0V
E	6V

Q1394	VOLT.
B	6V
C	12V
E	5V

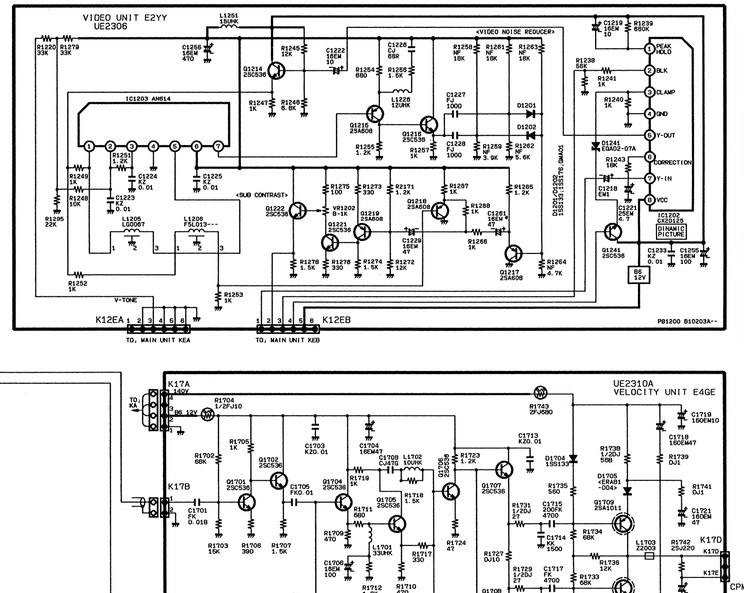


NOTE:VOLTAGE RATING IN NICAM UNIT TAKEN USING NICAM SIGNAL.

STEREO	H	L
DUAL	L	L
MONO/DATA	H	L
MONO	H	H

Q1961	VOLT.
B	0.6V
C	0V
E	0V

Q1962	VOLT.
B	4V
C	5V
E	5V



Q1214	VOLT.
B	4V
C	12V
E	3.4V

Q1218	VOLT.
B	1.8V
C	0V
E	2.5V

Q1215	VOLT.
B	8V
C	5V
E	8.5V

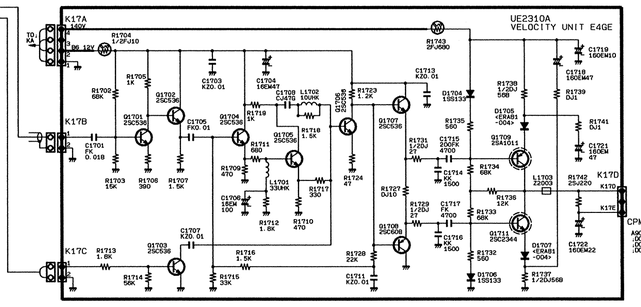
Q1219	VOLT.
B	10.5V
C	2V
E	11V

Q1216	VOLT.
B	5V
C	12V
E	4.6V

Q1221	VOLT.
B	2V
C	7V
E	1.4V

Q1217	VOLT.
B	3.6V
C	0V
E	4V

Q1222	VOLT.
B	10.5V
C	11.6V
E	10V



Q1701	VOLT.
B	2V
C	7V
E	1.2V

Q1702	VOLT.
B	7V
C	12V
E	6V

Q1703	VOLT.
B	0.1V
C	0V
E	0V

Q1704	VOLT.
B	2.7V
C	12V
E	2V

Q1705	VOLT.
B	1.5V
C	10V
E	1V

Q1706	VOLT.
B	1V
C	5V
E	0.3V

Q1707	VOLT.
B	5V
C	11V
E	5V

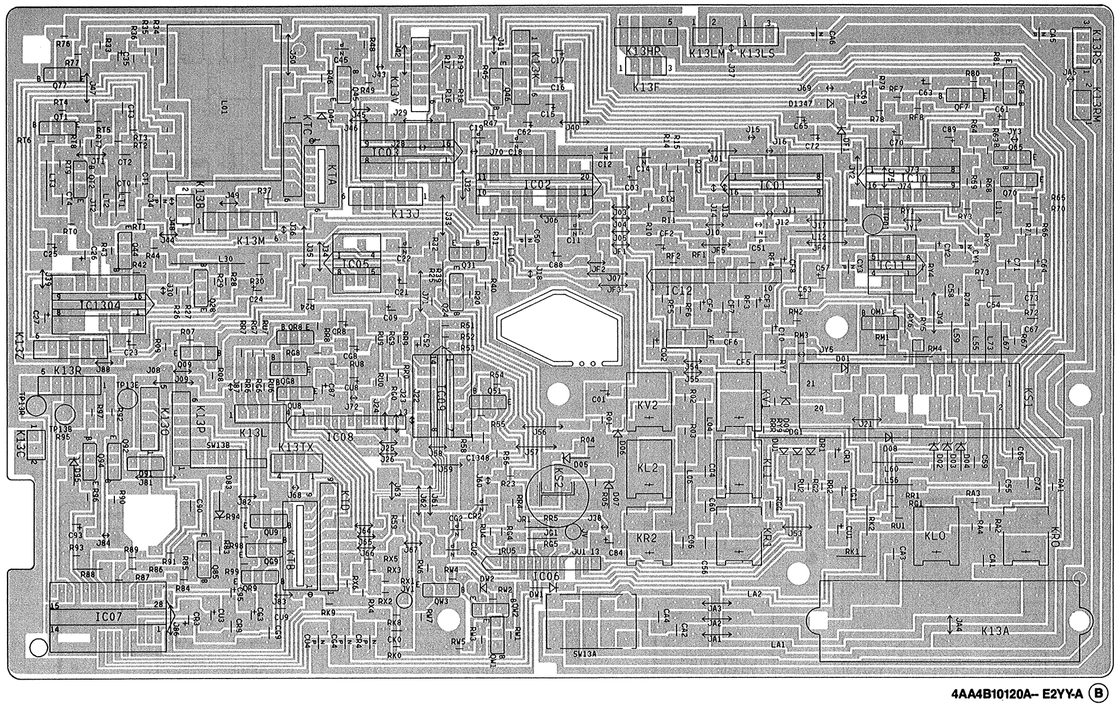
Q1708	VOLT.
B	0V
C	5V
E	5V

Q1709	VOLT.
B	130V
C	76V
E	130V

Q1711	VOLT.
B	1V
C	76V
E	0.6V

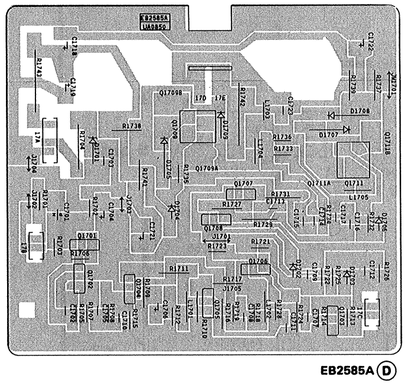
Q1052	VOLT.
B	0.7V
C	0.03V
E	0.02V

A/V BOARD (CIRCUIT SIDE)



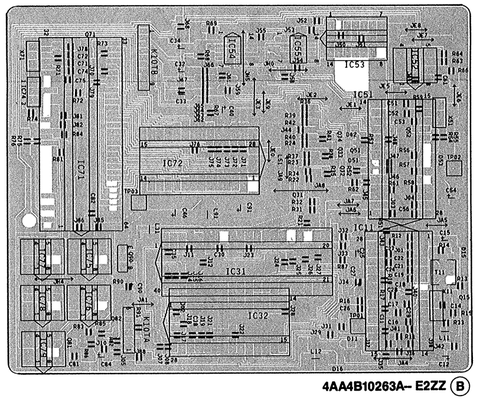
4AA4B10120A– E2YY-A (B)

VELOCITY CONTROL BOARD (CIRCUIT SIDE)



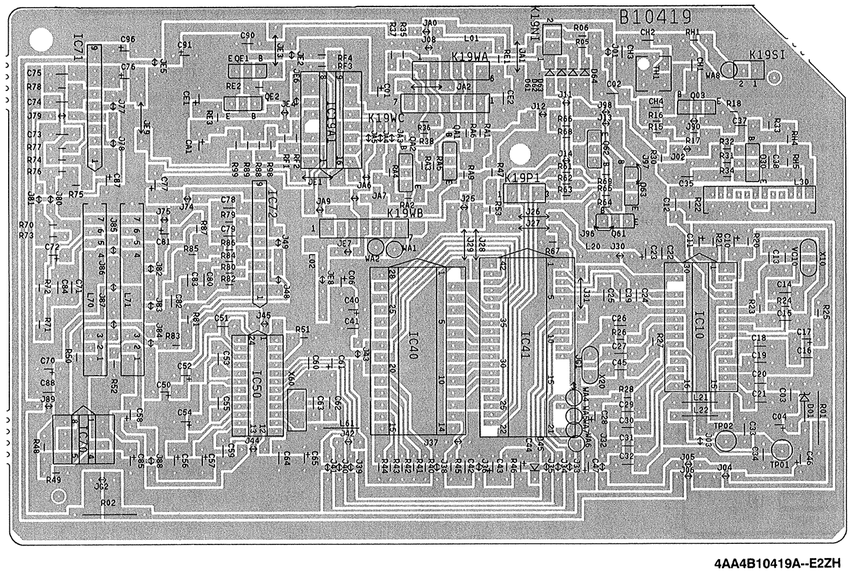
EB2585A (D)

TELETEXT BOARD (CIRCUIT SIDE)



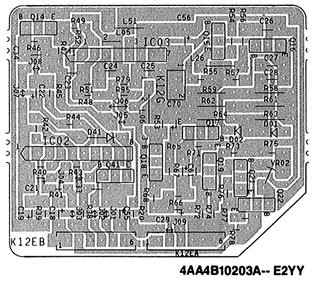
4AA4B10263A– E2ZZ (B)

NICAM BOARD (CIRCUIT SIDE)



4AA4B10419A--E2ZH

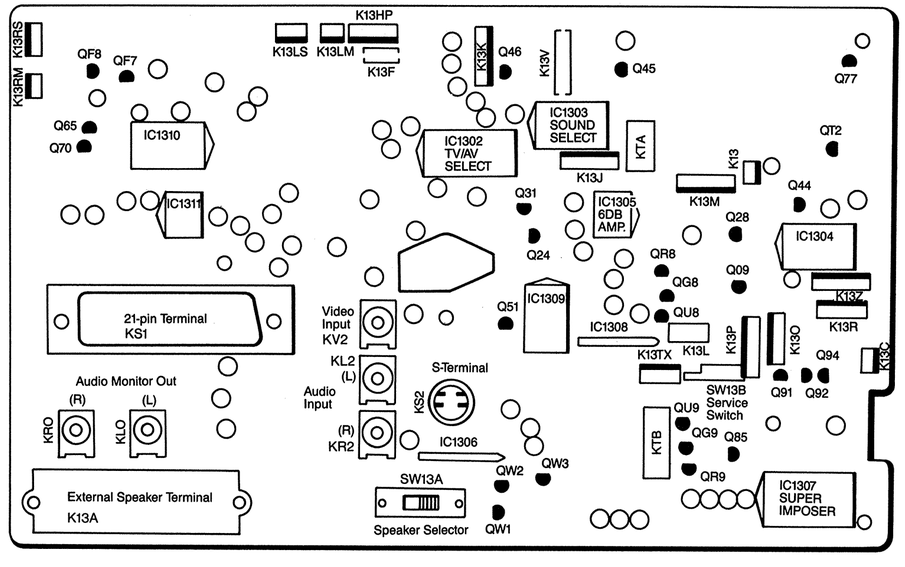
VIDEO BOARD (CIRCUIT SIDE)



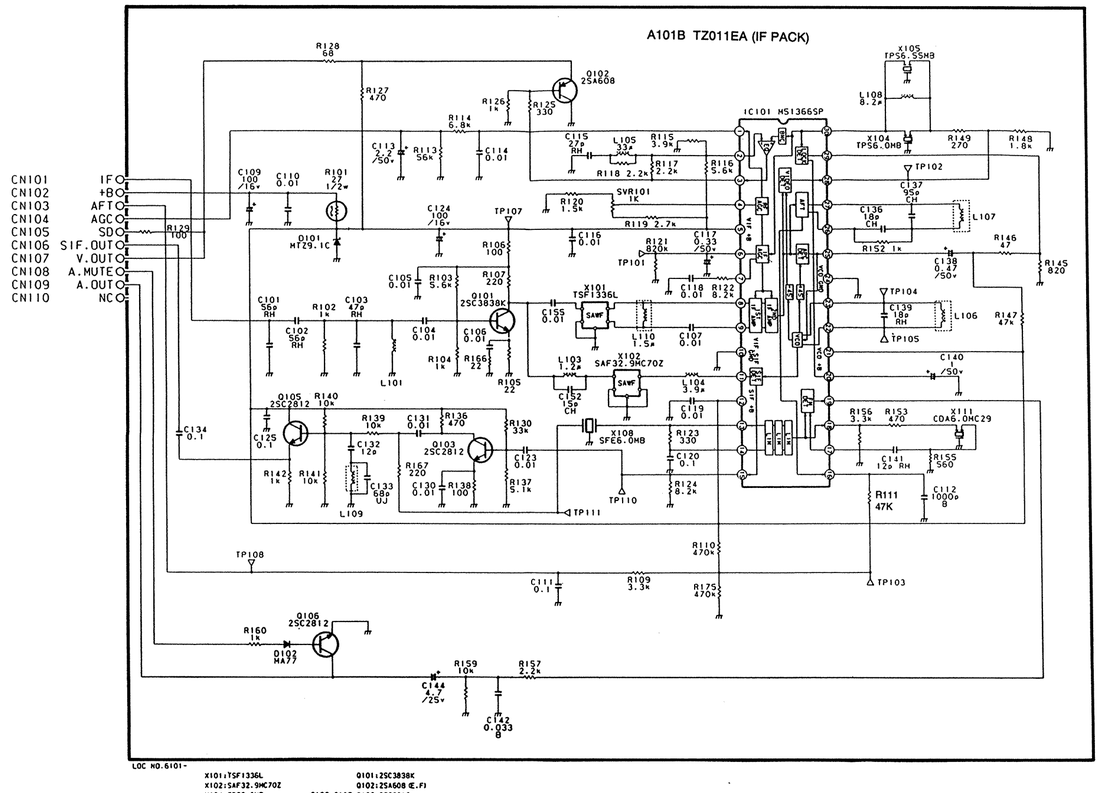
4AA4B10203A-- E2YY

COMPONENT LOCATION

A/V UNIT



IF PACK CIRCUIT DIAGRAM



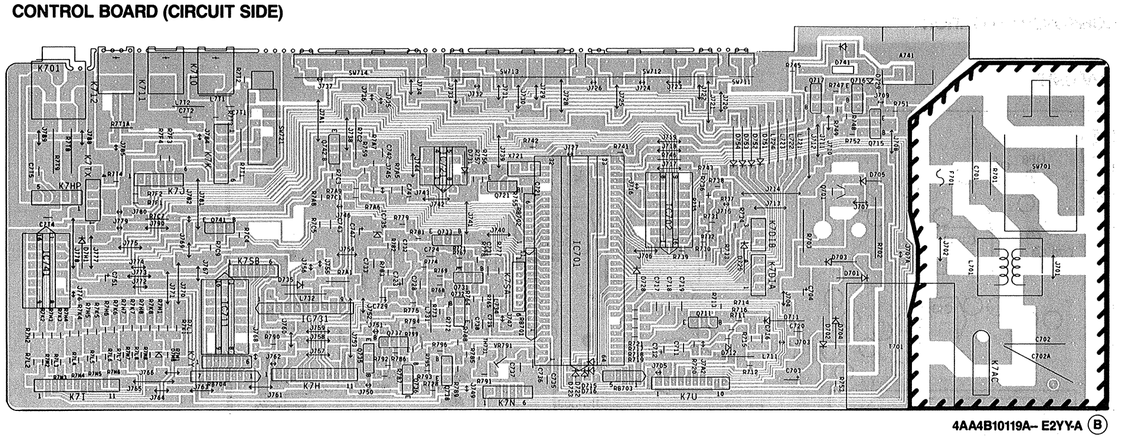
LOC NO.6101-

X101:TSF1336L
X102:SAF32.9HC70Z
X104:TPS6.0MB
X105:TPS6.5SMB
X108:SFE6.0MB
X111:CDA6.0MC29

Q101:2SC3838K
Q102:2SA608 (E,F)
Q103, Q105, Q106:2SC2812
D101:HZ9.1C
D102:MA77 1SS318
IC101:HS1366SP

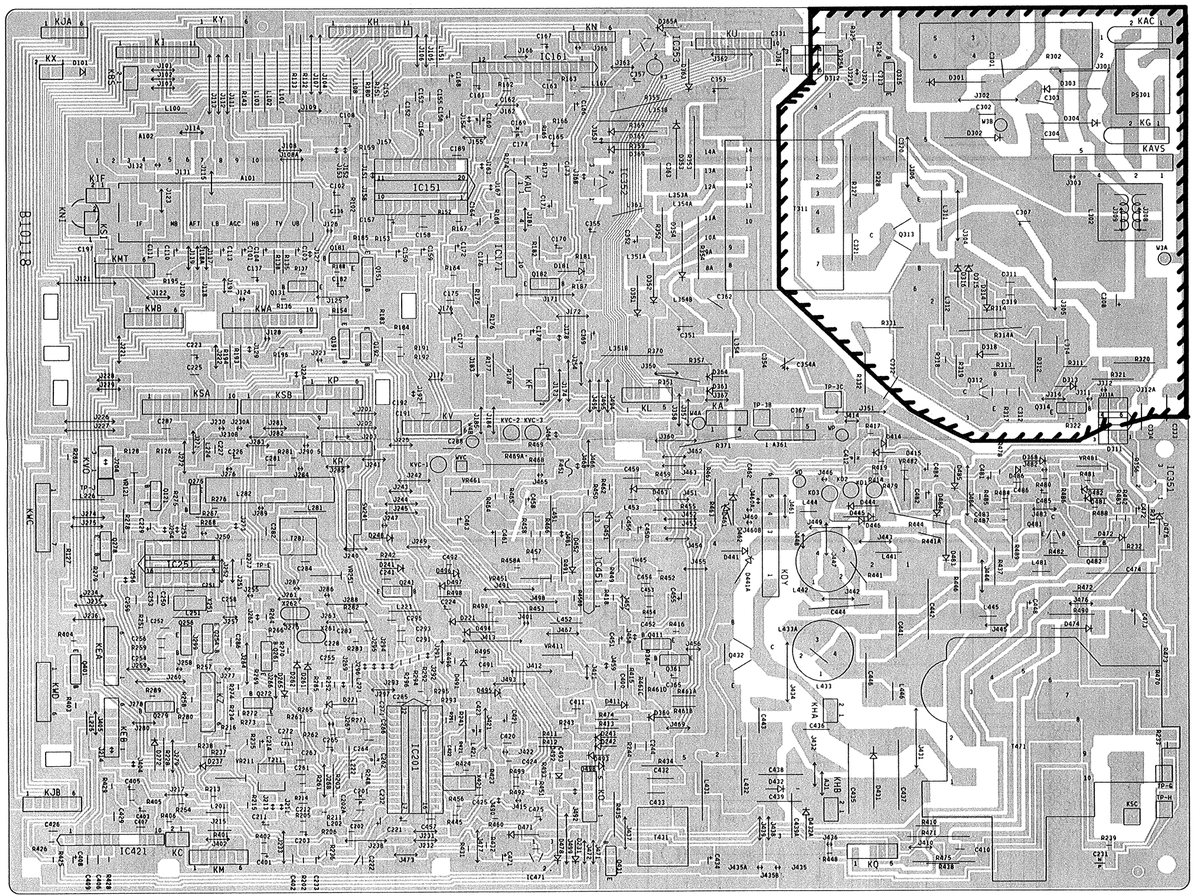
E4GD2

CONTROL BOARD (CIRCUIT SIDE)



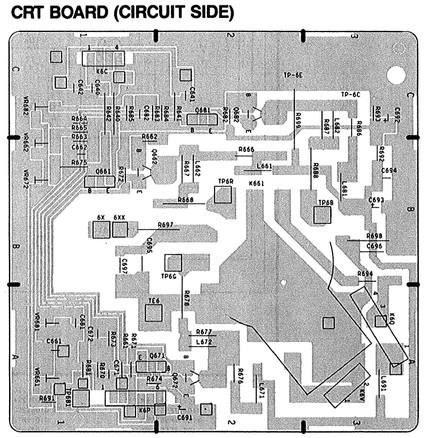
4AA4B10119A-- E2YY-A (B)

MAIN BOARD (CIRCUIT SIDE)



4AA4B10118--- E2YY (C)

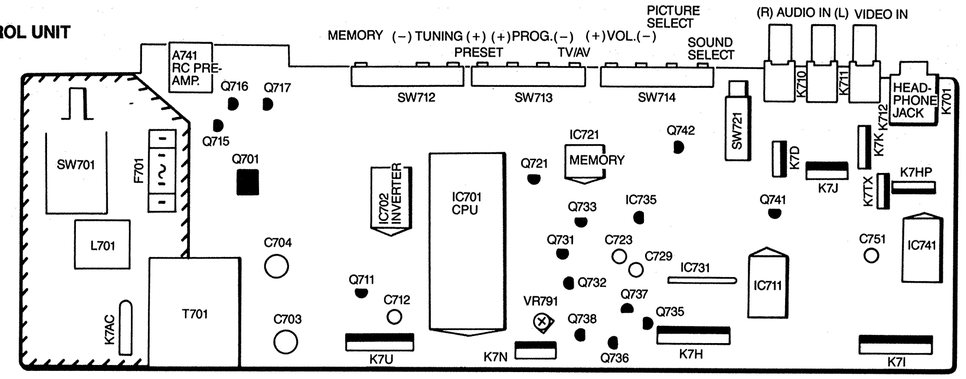
CRT BOARD (CIRCUIT SIDE)



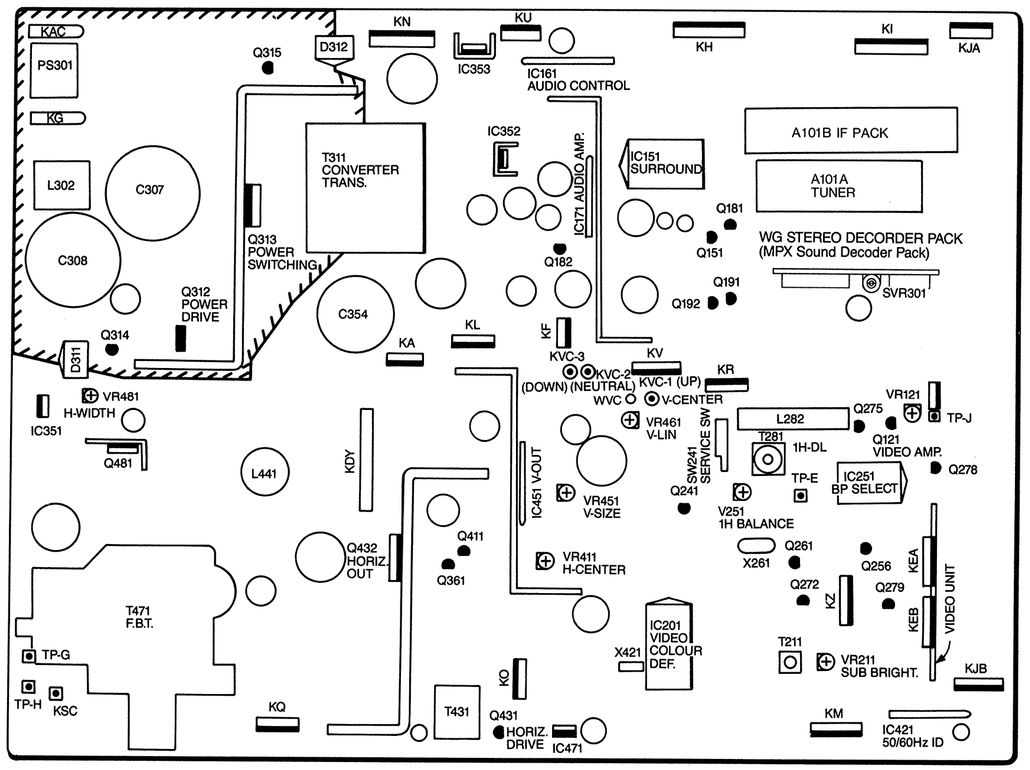
4AA4B10122A-- E2YY-A (A)

COMPONENT LOCATION

CONTROL UNIT



MAIN UNIT



CRT UNIT